APTD-69-20

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1968 DATA TABULATIONS AND SUMMARIES

WASHINGTON, D.C.

Continuous Air Monitoring Projects

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U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
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Hourly average concentrations of six gaseous pollutants (carbon monoxide, nitric oxide, nitrogen dioxide, sulfur dioxide, total hydrocarbons, and total oxidants), and 2-hour measurements of soiling index levels are tabulated. A brief summary of monthly means and maximums and graphs of seasonal diurnal patterns of gaseous pollutants are included. Annual frequency distributions of the data pertaining to gases and soiling index are tabulated for Washington, D. C., and for Chicago, Cincinnati, Denver, Philadelphia, and St. Louis.

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Air pollution	Periodic variations
Urban areas	Arithmetic mean
Carbon monoxide	Seasonal variations
Nitrogen oxide (NO)	Diurnal variations
Nitrogen dioxide	Frequency distribution
Sulfur dioxide	Experimental data
Hydrocarbons	Continuous sampling
Oxidizers	Environmental survey
Aerosols	
Concentration (composition)	

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NATIONAL AIR SURVEILLANCE NETWORKS
WASHINGTON, D. C.

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
Consumer Protection and Environmental Health Service
National Air Pollution Control Administration
Division of Air Quality and Emission Data
Raleigh, North Carolina
December, 1969

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PREFACE

One of the Continuous Air Monitoring Projects of the National Air Surveillance Networks is to routinely operate continuous monitoring stations in six major cities. The data tabulations in this report consist of hourly average concentrations of six gaseous pollutants (carbon monoxide, nitric oxide, nitrogen dioxide, sulfur dioxide, total hydrocarbons, and total oxidants), and 2-hour measurements of soiling index levels in ~~Chicago~~ Washington, D.C. during 1968. A brief summary of monthly means and maximums and graphs of seasonal diurnal patterns of gaseous pollutants at the ~~Chicago~~ Washington, D.C. station are included. Annual frequency distributions of the data pertaining to gases and soiling index are presented for all six CAMP stations.

Summaries of 1968 data for Chicago, Cincinnati, Denver, Philadelphia, and St. Louis are available from the National Air Pollution Control Administration. Similar data summaries have been published, along with various analyses and interpretative material, for previous years' operations.

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SECTION 1.
SUMMARY OF MONTHLY MEANS AND MAXIMUMS AND FREQUENCY DISTRIBUTIONS OF POLLUTANT CONCENTRATIONS

TABLE 1-1 : SUMMARY OF MONTHLY MEANS AND MAXIMUMS FOR CARBON MONOXIDE

WASHINGTON,DC 1968

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	DAY	MAX. HRLY. AVG. CONC. CONC. (PPM)	DAY	HR.	MAX. 5 MIN. INST. CONC. CONC. (PPM)	DAY	TIME
JAN.	31	6.6	14.	18	26.	18	18	59.	22	2335
FEB.	25	5.8	9.	7	27.	6	23	29.	6	2305
MARCH	16	A	5.	21	15.	27	19	22.	27	1905
APRIL	30	1.9	3.	19	12.	11	23	14.	10	1430
MAY	28	2.9	6.	23	16.	25*	23	21.	23	955
JUNE	22	2.2	4.	24	14.	4	23	19.	3	725
JULY	31	2.4	4.	3	12.	20*	23	16.	20*	2300
AUG.	31	2.5	5.	31*	17.	30	23	19.	30	2340
SEPT.	29	3.2	6.	21*	18.	20	21	23.	20	2130
OCT.	27	2.7	6.	22	20.	22	6	26.	22	700
NOV.	13	A	6.	23*	14.	23*	8	19.	23*	845
DEC.	30	3.5	6.	11	13.	20	9	22.	16	755
YEAR	313	3.4	14.		27.			59.		

TABLE 1-2 : SUMMARY OF MONTHLY MEANS AND MAXIMUMS FOR NITRIC OXIDE

WASHINGTON,DC 1968

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	DAY	MAX. HRLY. AVG. CONC. CONC. (PPM)	DAY	HR.	MAX. 5 MIN. INST. CONC. CONC. (PPM)	DAY	TIME
JAN.	31	0.077	0.31	27*	0.69	27*	0	0.74	27*	0
FEB.	27	0.043	0.14	27	0.55	6	23	0.65	6	2330
MARCH	31	0.027	0.09	27	0.29	27	20	0.42	27	2105
APRIL	29	0.025	0.07	12	0.35	11	23	0.43	12	10
MAY	31	0.029	0.08	26#	0.38	8	0	0.43	7	2340
JUNE	29	0.019	0.07	5	0.34	5	6	0.36	5	555
JULY	31	0.017	0.04	21#	0.25	20*	23	0.52	13*	1035
AUG.	31	0.026	0.11	31*	0.40	31*	2	0.46	30	2355
SEPT.	23	0.040	0.09	8#	0.41	8#	1	0.43	8#	120
OCT.	27	0.051	0.18	22	0.64	22	7	0.76	22	720
NOV.	0	A								
DEC.	1	A	0.05	21*	0.20	21*	22	0.23	21*	2240
YEAR	291	0.035	0.31		0.69			0.76		

A : AVERAGE NOT CALCULATED BECAUSE OF INSUFFICIENT DATA
* : INDICATES SATURDAY
# : INDICATES SUNDAY

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TABLE 1-3 : SUMMARY OF MONTHLY MEANS AND MAXIMUMS FOR NITROGEN DIOXIDE

WASHINGTON,DC 1968

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	MAX. 24 HR. CONC. DAY	MAX. HRLY. AVG. CONC. CONC. (PPM)	MAX. HRLY. AVG. CONC. DAY	MAX. HRLY. AVG. CONC. HR.	MAX. 5 MIN. INST. CONC. CONC. (PPM)	MAX. 5 MIN. INST. CONC. DAY	MAX. 5 MIN. INST. CONC. TIME
JAN.	19	0.049	0.08	18	0.14	27*	10	0.16	27*	1020
FEB.	29	0.044	0.07	7	0.11	6	23	0.13	6	2325
MARCH	26	0.049	0.08	20	0.15	21	15	0.16	21	1515
APRIL	30	0.036	0.06	12	0.12	14#	9	0.12	12	1020
MAY	28	0.042	0.07	23	0.12	26#	7	0.14	26#	745
JUNE	29	0.045	0.07	5	0.19	5	7	0.21	5	740
JULY	28	0.054	0.08	6*	0.21	9	8	0.22	2	830
AUG.	31	0.053	0.08	22	0.14	24*	21	0.15	24*	2130
SEPT.	24	0.051	0.08	23	0.24	23	9	0.26	23	935
OCT.	25	0.049	0.07	20#	0.14	12*	18	0.16	1	915
NOV.	0	A								
DEC.	0	A								
YEAR	269	0.047	0.08		0.24			0.26		

TABLE 1-4 : SUMMARY OF MONTHLY MEANS AND MAXIMUMS FOR SULFUR DIOXIDE

WASHINGTON,DC 1968

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	MAX. 24 HR. CONC. DAY	MAX. HRLY. AVG. CONC. CONC. (PPM)	MAX. HRLY. AVG. CONC. DAY	MAX. HRLY. AVG. CONC. HR.	MAX. 5 MIN. INST. CONC. CONC. (PPM)	MAX. 5 MIN. INST. CONC. DAY	MAX. 5 MIN. INST. CONC. TIME
JAN.	31	0.096	0.18	27*	0.41	27*	10	0.47	30	1210
FEB.	29	0.086	0.15	28	0.30	28	6	0.34	28	615
MARCH	31	0.057	0.12	6	0.26	6	4	0.31	22	905
APRIL	30	0.022	0.05	12	0.14	13#	9	0.27	13#	950
MAY	31	0.015	0.04	8	0.10	7	6	0.21	7	610
JUNE	21	0.004	0.01	1#	0.08	4	6	0.19	4	635
JULY	31	0.008	0.02	30	0.18	13#	11	0.24	13#	1150
AUG.	28	0.003	0.01	29	0.05	22	7	0.15	22	750
SEPT.	30	0.018	0.03	17	0.11	5	10	0.17	5	1015
OCT.	11	A	0.02	6#	0.09	8	6	0.12	2	1005
NOV.	0	A								
DEC.	18	0.060	0.10	19	0.14	20	9	0.20	19	1055
YEAR	291	0.037	0.18		0.41			0.47		

A : AVERAGE NOT CALCULATED BECAUSE OF INSUFFICIENT DATA
* : INDICATES SATURDAY
# : INDICATES SUNDAY

TABLE 1-5 : SUMMARY OF MONTHLY MEANS AND MAXIMUMS FOR HYDROCARBON

WASHINGTON,DC 1968

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	DAY	MAX. HRLY. AVG. CONC. CONC. (PPM)	DAY	HR.	5 MIN. MAX. INST. CONC. CONC. (PPM)	DAY	TIME
JAN.	23	3.04	5.7	19	7.8	18	22	8.2	18	2140
FEB.	28	2.34	3.5	7	13.5	6	23	14.9	6	2330
MARCH	31	2.05	3.1	27	6.6	27	19	11.8	27	2100
APRIL	29	2.02	3.7	14#	11.3	12	4	18.6	14#	540
MAY	26	2.01	2.8	8	10.8	26#	4	12.2	26#	350
JUNE	27	1.90	3.7	5	7.9	5	6	9.0	4	2350
JULY	31	2.04	2.5	25	5.0	20*	23	5.4	20*	2305
AUG.	30	2.17	3.3	31*	8.7	31*	0	10.5	31*	15
SEPT.	30	2.66	4.4	21*	11.1	21*	3	12.6	21*	445
OCT.	27	2.41	4.3	22	11.1	22	6	14.7	22	700
NOV.	5	A	2.4	27	3.1	27	17	4.3	30#	1325
DEC.	29	2.06	2.9	19	4.7	20	9	8.5	6	2100
YEAR	316	2.23	5.7		13.5			18.6		

TABLE 1-6 : SUMMARY OF MONTHLY MEANS AND MAXIMUMS FOR TOTAL OXIDANT

WASHINGTON,DC 1968

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	DAY	MAX. HRLY. AVG. CONC. CONC. (PPM)	DAY	HR.	5 MIN. MAX. INST. CONC. CONC. (PPM)	DAY	TIME
JAN.	29	0.009	0.03	19	0.11	19	1	0.14	19	55
FEB.	27	0.007	0.02	3#	0.06	6	23	0.06	6	2310
MARCH	31	0.026	0.04	27	0.07	27	19	0.12	27	2040
APRIL	25	0.027	0.05	14#	0.10	19	13	0.11	19	1320
MAY	2	A	0.03	30	0.06	30	12	0.07	30	1240
JUNE	29	0.035	0.10	5	0.25	5	15	0.29	5	1505
JULY	31	0.037	0.06	7#	0.18	5	15	0.23	5	1535
AUG.	30	0.043	0.07	8	0.18	8	14	0.20	8	1405
SEPT.	22	0.036	0.08	23	0.15	15#	16	0.17	15#	1610
OCT.	24	0.022	0.05	22	0.13	22	6	0.17	22	625
NOV.	0	A								
DEC.	0	A								
YEAR	250	0.027	0.10		0.25			0.29		

A : AVERAGE NOT CALCULATED BECAUSE OF INSUFFICIENT DATA
* : INDICATES SATURDAY
# : INDICATES SUNDAY

Table 1-7. FREQUENCY DISTRIBUTION OF CONCENTRATION OF GASEOUS ATMOSPHERIC POLLUTANTS
(5-minute values, concentration in parts per million)

City/pollutant	Valid data, %	Minimum	Frequency distribution, percent 10	30	50	70	90	95	98	99	Maximum	Arithmetic mean
CHICAGO												
CARBON MONOXIDE	65	0	1	3	5	7	13	16	20	24	57	6.2
NITRIC OXIDE	79	.00	.01	.03	.06	.09	.15	.18	.23	.28	.66	.071
NITROGEN DIOXIDE	78	.00	.03	.04	.05	.05	.07	.08	.10	.11	.29	.048
SULFUR DIOXIDE	80	.00	.01	.04	.08	.14	.28	.36	.48	.57	1.33	.117
HYDROCARBON	75	.0	1.9	2.3	2.7	3.2	4.1	4.7	5.6	6.6	17.3	2.90
TOTAL OXIDANT	55	.00	.00	.01	.02	.03	.05	.07	.09	.10	.47	.023
CINCINNATI												
CARBON MONOXIDE	57	0	3	4	5	6	9	11	15	31	45	5.6
NITRIC OXIDE	34	.00	.00	.01	.03	.06	.18	.27	.38	.46	1.26	.064
NITROGEN DIOXIDE	73	.00	.02	.02	.03	.04	.05	.06	.07	.08	1.19	.031
SULFUR DIOXIDE	76	.00	.00	.00	.01	.02	.04	.06	.08	.10	1.49	.017
HYDROCARBON	81	.5	1.7	2.0	2.2	2.6	4.0	5.1	6.5	7.4	18.1	2.58
TOTAL OXIDANT	26	.00	.00	.02	.02	.03	.05	.06	.08	.10	.19	.022
DENVER												
CARBON MONOXIDE	71	0	1	3	4	6	11	14	19	24	90	5.3
NITRIC OXIDE	62	.00	.00	.01	.02	.04	.10	.14	.21	.26	.68	.036
NITROGEN DIOXIDE	71	.00	.01	.02	.03	.04	.06	.07	.09	.11	.38	.036
SULFUR DIOXIDE	60	.00	.00	.00	.01	.02	.03	.04	.06	.08	1.81	.012
HYDROCARBON	71	.0	1.7	2.1	2.5	3.1	4.4	5.4	7.0	8.5	18.7	2.89
TOTAL OXIDANT	48	.00	.00	.01	.03	.04	.06	.07	.09	.11	.43	.029
PHILADELPHIA												
CARBON MONIXIDE	48	0	3	6	8	10	15	18	22	25	49	8.5
NITRIC OXIDE	70	.00	.00	.02	.03	.05	.12	.18	.28	.41	1.68	.054
NITROGEN DIOXIDE	77	.00	.02	.03	.03	.04	.07	.08	.10	.12	.22	.039
SULFUR DIOXIDE	89	.00	.01	.03	.05	.08	.19	.28	.40	.48	1.10	.080
HYDROCARBON	60	.0	1.3	1.6	1.9	2.3	3.3	4.1	5.1	5.9	13.3	2.14
TOTAL OXIDANT	42	.00	.00	.01	.02	.03	.05	.06	.08	.10	.31	.022
ST. LOUIS												
CARBON MONOXIDE	86	0	2	3	4	5	8	10	13	16	47	4.6
NITRIC OXIDE	66	.00	.00	.01	.02	.04	.08	.11	.16	.20	.44	.032
NITROGEN DIOXIDE	81	.00	.01	.02	.02	.03	.04	.05	.06	.07	.20	.023
SULFUR DIOXIDE	90	.00	.00	.00	.01	.03	.07	.11	.18	.23	1.33	.028
HYDROCARBON	89	.4	2.0	2.6	3.1	3.7	5.0	6.0	8.0	9.4	17.1	3.40
TOTAL OXIDANT	48	.00	.00	.01	.02	.03	.04	.05	.07	.08	.37	.022
WASHINGTON D.C.												
CARBON MONOXIDE	82	0	1	2	3	4	6	8	11	14	59	3.3
NITRIC OXIDE	71	.00	.00	.01	.01	.03	.08	.13	.23	.33	.76	.035
NITROGEN DIOXIDE	64	.00	.02	.03	.04	.05	.08	.09	.11	.12	.26	.047
SULFUR DIOXIDE	74	.00	.00	.00	.02	.05	.10	.13	.17	.20	.47	.036
HYDROCARBON	82	.0	1.6	1.8	2.0	2.3	3.0	3.6	4.9	6.0	18.6	2.23
TOTAL OXIDANT	59	.00	.00	.01	.02	.03	.06	.08	.10	.12	.29	.027

Table 1-8. FREQUENCY DISTRIBUTION OF SOILING INDEX
(2-hour measurements, concentration in COHS/1000 lineal feet)

(CONCENTRATION IN COHS/1000 LIN. FT.)

CITY	VALID DATA*	MIN	FREQUENCY DISTRIBUTION-PERCENT 10	30	50	70	90	95	98	99	MAX	ARITH MEAN
CHICAGO	100	.0	.5	.9	1.2	1.6	2.3	2.8	3.6	4.1	8.2	1.35
CINCINNATI	95	.0	.2	.5	.7	1.0	1.7	2.2	2.8	3.3	5.6	.87
PHILADELPHIA	100	.0	.3	.6	.8	1.1	1.8	2.2	2.9	3.6	5.6	.95
WASHINGTON, D C	90	.0	.4	.6	.9	1.2	2.0	2.5	3.1	3.6	6.6	1.06
ST LOUIS	80	.0	.2	.4	.6	.8	1.4	1.8	2.3	2.7	4.7	.73
DENVER	75	.0	.2	.4	.6	.9	1.7	2.2	2.9	3.3	6.8	.80

* REPORTED TO NEAREST FIVE PERCENT

VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

SECTION 2.
WASHINGTON, D. C. SEASONAL DIURNAL PATTERNS

WASHINGTON, D. C. SEASONAL DIURNAL PATTERNS

Figures 1 through 6 are graphs showing the seasonal diurnal patterns for carbon monoxide, nitric oxide, nitrogen dioxide, sulfur dioxide, total hydrocarbons, and total oxidants, respectively. Each figure contains four curves, one representing each season, as follows: long-dashed line for summer, short-dashed line for autumn, mixed-dashed line for winter, and solid line for spring.

Each curve represents a composite of the approximately 90 daily patterns in each season, plotted by computer using 15-minute averages derived from the basic 5-minute measurements. Dotted lines indicate portions of the curve for which insufficient data are available to provide a valid seasonal average.

The seasons are defined as follows: Winter consists of December, 1967, and January and February, 1968; spring consists of March, April, and May; summer consists of June, July, and August; and autumn consists of September, October and November, 1968.

It should be noted that CAMP stations operate on a Standard Time basis. Consequently, during the seasons of Daylight Savings Time, 1-hour shifts may be noted in diurnal patterns of certain pollutants because of a shift in the patterns of human activity that generates these pollutants.

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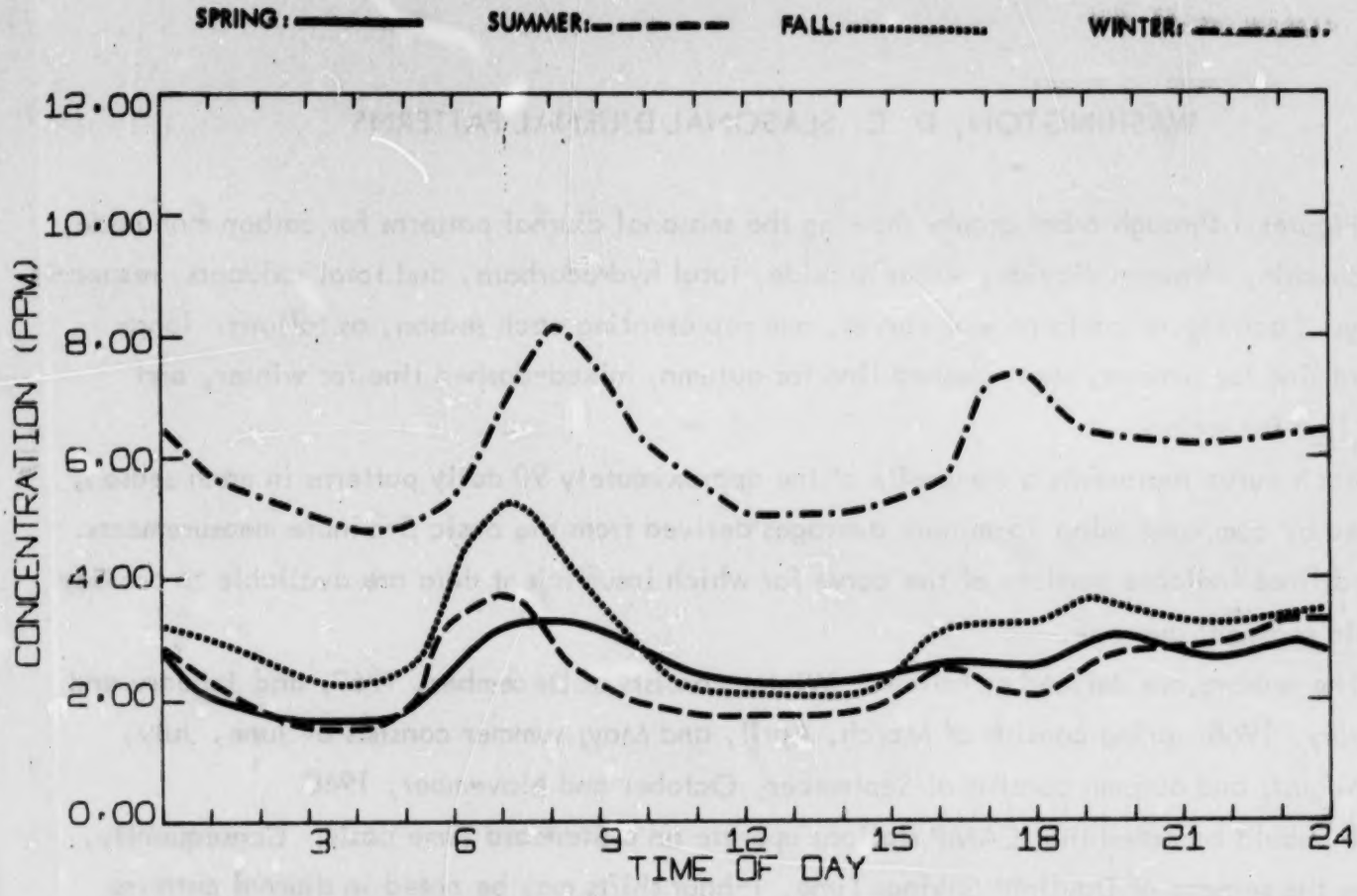

FIGURE 1. SEASONAL DIURNAL PATTERNS OF CARBON MONOXIDE CONCENTRATIONS

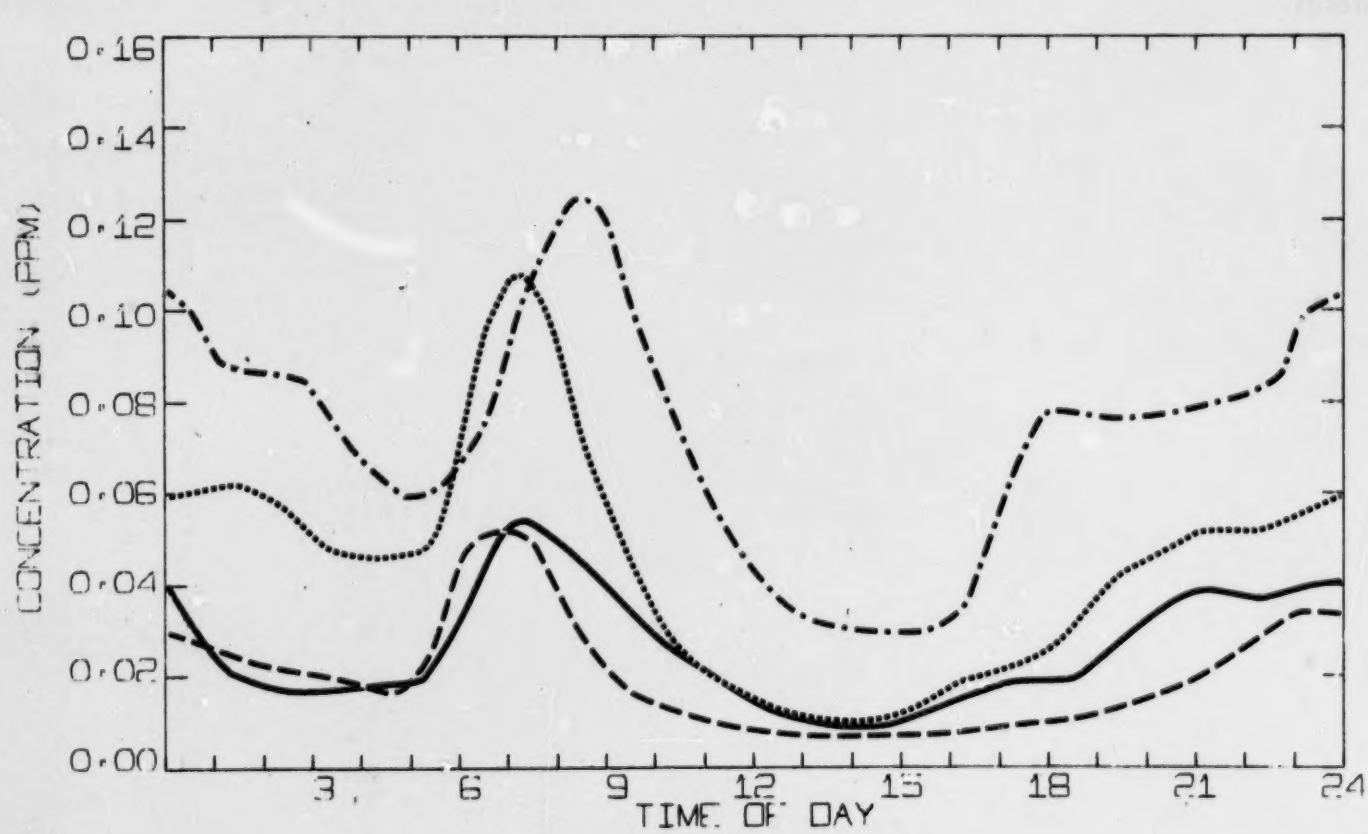

FIGURE 2. SEASONAL DIURNAL PATTERNS OF NITRIC OXIDE CONCENTRATIONS

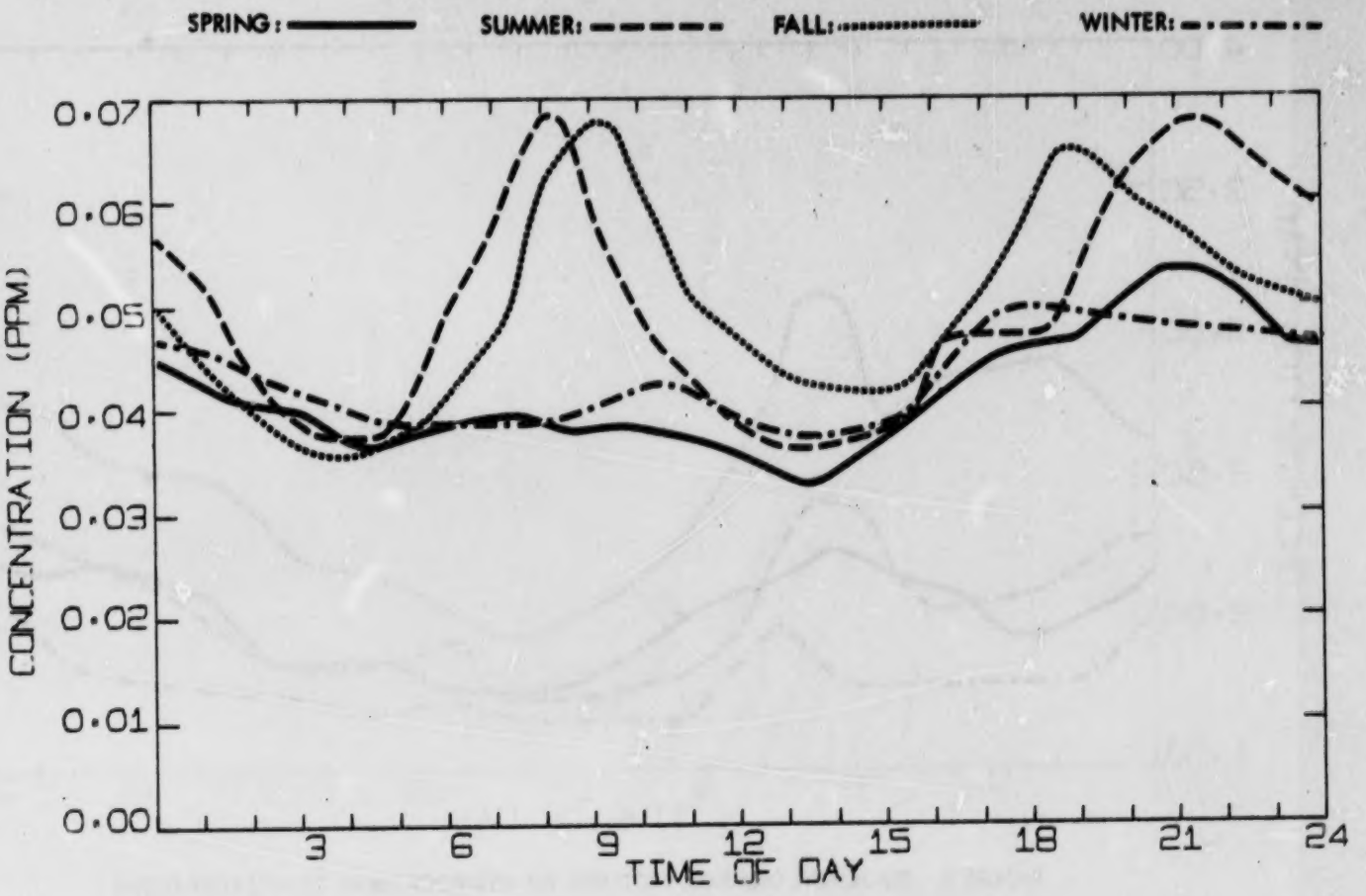

FIGURE 3. SEASONAL DIURNAL PATTERNS OF NITROGEN DIOXIDE CONCENTRATIONS

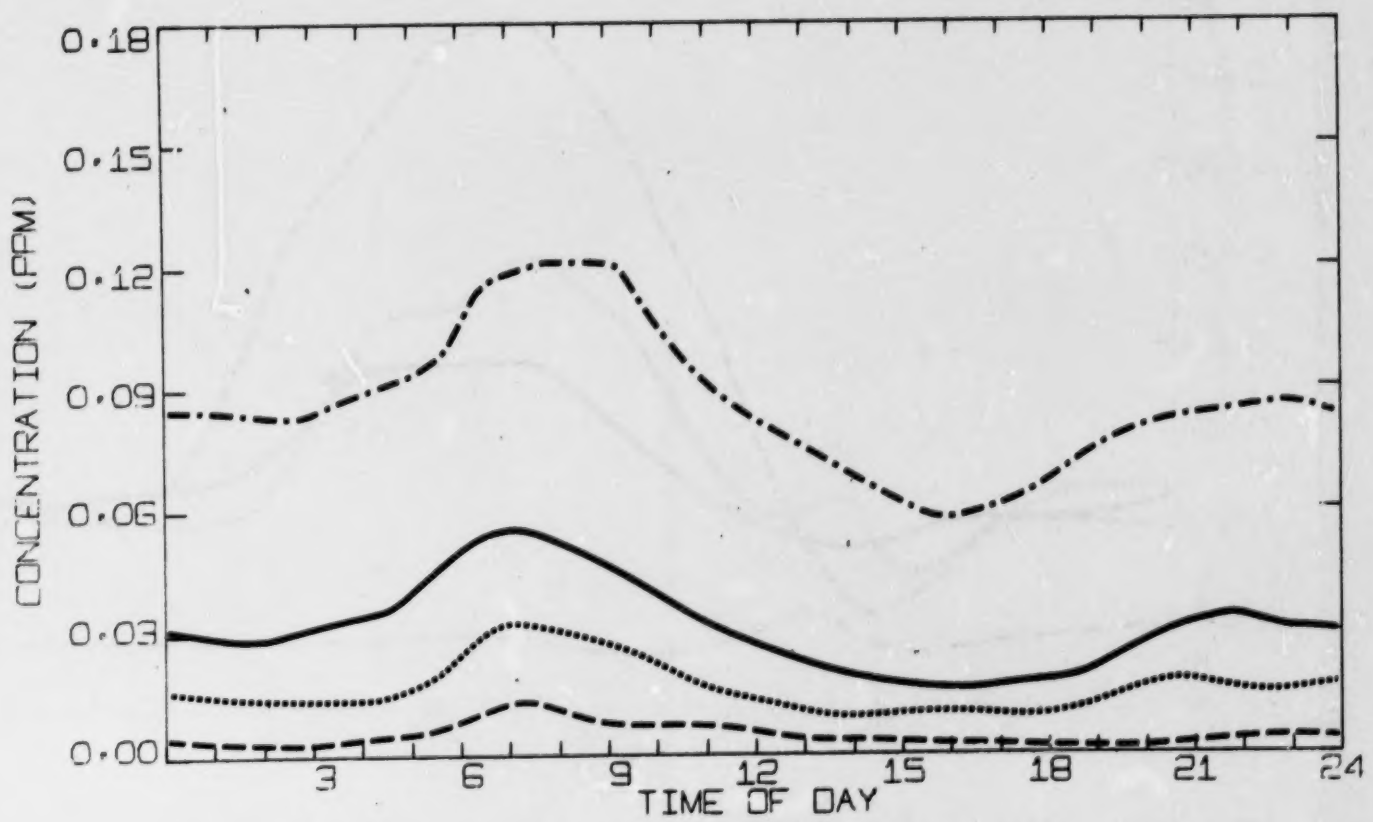

FIGURE 4. SEASONAL DIURNAL PATTERNS OF SULFUR DIOXIDE CONCENTRATIONS

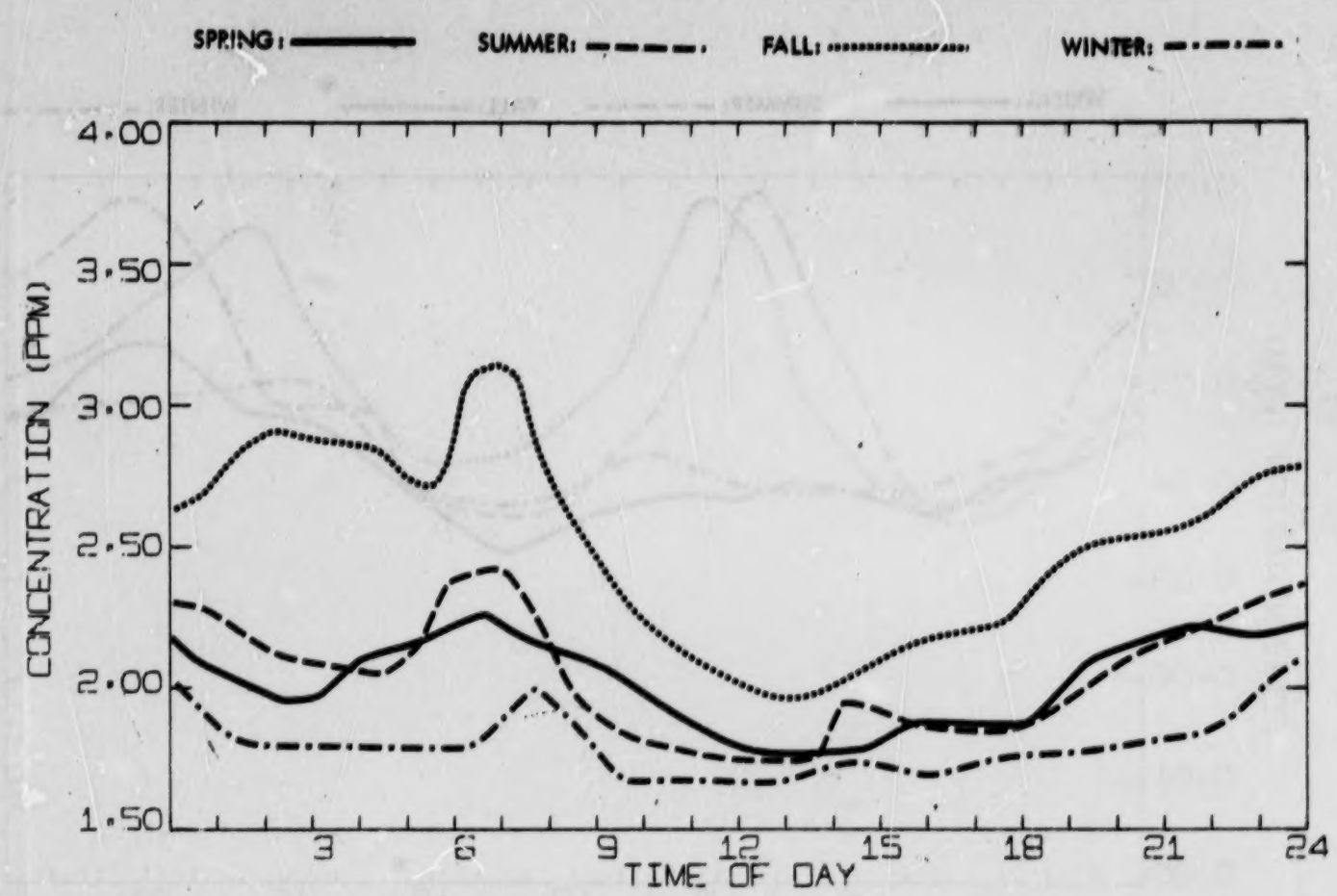

FIGURE 5. SEASONAL DIURNAL PATTERNS OF HYDROCARBON CONCENTRATIONS

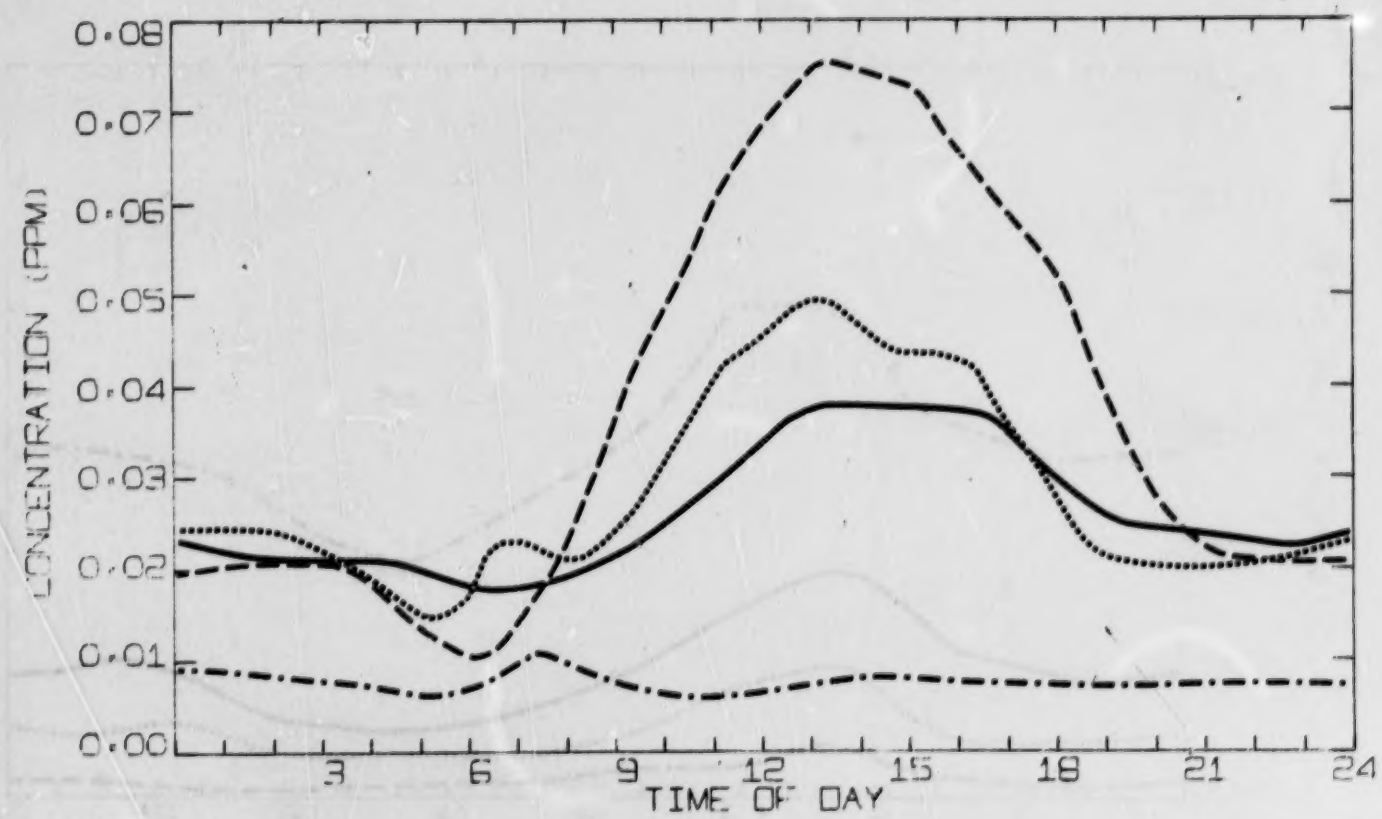

FIGURE 6. SEASONAL DIURNAL PATTERNS OF TOTAL OXIDANT CONCENTRATIONS

SECTION 3.
GASEOUS POLLUTANT
DATA TABLES

GASEOUS POLLUTANT DATA TABLES

Data tables 3-1 through 3-72 present hourly average concentrations by month for the gaseous pollutants. Values in these tables are the arithmetic means of the 5-minute values in the clock hour indicated. An hourly average is not calculated if fewer than seven 5-minute values during the hour were valid. Similarly, if a calendar day had fewer than 13 valid data hours, it is considered an invalid data day, and the entire row of averages for the day is deleted. The reason for this procedure, which results in the loss of a few valid hourly averages, is that the data that are lost are usually concentrated at the beginning or end of the day. Since the pollutant concetrations show considerable diurnal variation, the inclusion of such data would introduce a definite bias into the monthly mean concentrations.

The first summary line (titled MEAN) at the bottom of the tables contains the arithmetic means of the hourly averages, and hence represents the pattern of diurnal variation for the month. Again by the same validity criterion, this average is not calculated unless 16 or more hourly averages are present. The second and third summary lines are the number of an maximum of the hourly averages in the column.

The first summary column (titled DAILY MEAN) at the right of the tables is the arithmetic mean* of the 13 or more hourly averages comprising the row, and the second is the number of such valid hourly averages. The third summary column, however, is not the maximum hourly average for the day, but the maximum 5-minute value included in the hours of valid data during the day.

Four summary figures appear in the lower right corner. The upper left is the monthly average, an arithmetic mean, and appears only if 16 or more days were valid. The center number is the total number of valid hours included in the table, which offers some basis for judging the representativeness of the monthly average. The lower left summary number is the maximum daily average from the column above. The lower right number is the maximum 5-minute value from the column above.

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*The summary calculations are performed before the hourly averages are rounded.

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CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-1

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

WASHINGTON, D.C.

CARBON MONOXIDE
JAN. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	3-HRS. MAX.
1	5	4	4	4	3	4	4	3	3	3	4	3	4	4	4	4	4	4	4	4	5	4	5	5	4.0	24	8
2	5	5	5	5	4	4	6	8	8	7	6	6	6	5	5	6	6	6	5	5	5	5	5	4	5.4	24	10
3	4	4	4	4	4	4	4	6	7	5	6	5	6	7	7	7	6	7	11	8	8	7	6	5	6.3	24	18
4	5	4	4	5	4	4	5	7	7	7	6	7	6	6	5	7	10	14	6	4	4	4	4	5	5.0	22	10
5	5	5	5	5	5	5	5	6	6	8	5	5	5	5	5	5	5	8	6	9	8	7	7	7	5.9	22	12
6*	6	6	7	5	5	5	5	6	6	6	6	6	6	6	6	6	7	6	5	5	5	5	5	5	5.7	24	10
7*	5	4	4	4	4	5	5	4	5	5	5	5	5	6	5	6	6	6	6	6	6	6	6	6	5.1	24	8
8	5	5	5	5	5	5	6	7	7	6	6	6		4	5	6	6	7	6	6	6	5	5	5	5.6	22	11
9	5	5	4	5	5	5	5	7	7	6	5	5	6	5	5	6	6	7	6	5	5	5	6	4	5.4	24	10
10	5	4	4	4	4	5	7	8	8						5	5	6	6	5	4	4	4	4	5	5.0	19	16
11	4	4	5	5	4	5	5	5	6	5	6	5	5	5	5	5	6	6	6	6	5	5	5	5	5.1	24	10
12	5	5	4	6	5	5	6	7	8			4	5	6	5	6	7	7	7	6	6	7	6	6	5.8	22	10
13*	6	5	6	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5	4	4	4	4	5	3	5.1	24	7
14*	4	4	3	4	4	4	4	3	3	4	4	3	5	4	4	5	7	5	4	4	4	3	3	3	4.1	24	10
15	4	3	3	4	4	4	5	5	5	5	5	5	4	4	4	5	7	6	4	4	4	3	3	3	4.2	24	8
16	3	2	3	3	3	3	3	3	4	3			5	6	6	7	7	8	7	6	6	7	6	6	4.7	22	12
17	5	5	5	6	6	7	9	9	10	10	8	7	7	6	6	7	8	9	9	8	8	6	7	7	7.1	24	14
18	5	5	5	6	7	8	15	18	18	16	15	11	9	9	8	7	12	23	26	21	26	25	20	17	13.8	24	30
19	22	19	12	10	9	10	13	14	15	21	17	13	5	5	5	5	8	10	10	9	9	10	10	10	11.9	22	24
20*	9	8	11	8	7	7	9	12	21	19	10	7	5	5	5	6	7	9	13	14	20	22	16	18	11.0	24	31
21*	18	21	15	9	6	7	6	6	10	8	5	4	4	6	4	4	5	6	5	5	5	5	5	5	7.2	24	26
22	5	9	5	5	7	8	13	16	19	10	9	6	5	5	5	6	7	8	7	7	6	9	5	10	7.4	24	59
23	6	4	3	3	3	4	6	9	12		8	7	8		5	8	8	8	7	5	5	5	6	6	6.2	22	16
24	5	5	5	4	5	5	6	6	7	6	5	6	8	6	6	8	8	8	6	5	5	5	5	5	5.5	24	9
25	5	4	4	4	4	4	5	6	7	5	5	5	5	5	5	6	6	8	6	6	5	6	6	6	5.4	24	10
26	5	5	5	5	4	5	6	7	8	7	7	6	6	8	5	6	7	9	9	8	9	20	19	23	8.4	23	31
27*	20	16	15	18	13	10	14	17	21	17	16	10	6	7	6	6	10	14	13	13	17	10	10	10	12.9	24	30
28*	10	8	6	6	5	9	9	8	8	8	6	6	7	5	7	7	7	7	7	7	6	6	6	7	6.9	24	13
29	7	7	7	6	7	7	7	9	8	7	7	6	5	4	5	6	8	7	8	8	6	6	5	5	6.6	24	13
30	5	4	4	4	4	5	6	9	9	9	9	6	6	4	7	8	10	12	7	5	4	5	6	5	6.4	24	14
31	5	4	4	4	4	4	5	6	6	6	5	5	5				10	8	7	7	6	6	7	7	5.7	21	17
MEAN	7	6	6	5	5	6	7	8	9	8	7	6	6	6	6	6	7	8	7	7	7	7	7	7	6.6		
NO.	31	31	31	31	31	31	31	31	31	28	28	28	28	27	29	28	30	31	31	31	31	31	31	31		722	
MAX.	22	21	15	18	13	10	15	18	21	21	17	13	9	9	8	8	12	23	24	21	26	25	20	23	13.8		59

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U.S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-2

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

WASHINGTON, D.C.

CARBON MONOXIDE
FEB. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	6		6	6	7	7	7	7	8			6	6	5	7	8	8	8	8	7	7	7	7	6	6.8	21	10
2	6	5	5	5	5	6	7	8	10	8	7	8	7	8	8	9	11	14	10	6	6	5	6	6	7.2	24	20
3*	6	5	6	5	5	5	6	6	7	7	6		6	6	5	5	6	6	7	6	6	5	6	5	5.7	24	8
4*	6	5	5	5	4	5	4	6	5	7	6	5	5	5	4	4	5	5	5	4	4	4	4	4	4.7	24	7
5	4	4	3	3	3	4	4	5	6	6	5	4	4	4	4	5	6	7	5	5	5	5	5	4	4.6	24	9
6	5	4	4	4	4	4	5	6	7	6	5	4	4			6	7	10	9	10	13	14	15	27	7.8	22	29
7	21	14	13	11	9	10	10	14	11	8	7	7	7	7	7	6	7	8	7	6	6	6	5	5	8.8	24	28
8	5	4	4	4	4	4	5	6	6	5	5	5	4	5	5	6	7	8	7	6	5	5	5	5	5.1	24	8
9	5	4	4	4	3	3	4	5	6	5	5	5	6	5		6	8	8	6	6	6	6	6	4	5.0	23	11
10*	5	5	4	5	4	4	5	5	5	5	5	5	6	6	5	5	6	5	5	5	5	5	5	5	5.0	24	7
11*	5	4	4	4	4	5	4	4	4	5	4	5	5	4	5	4	3	4	4	4	5	4	4	5	4.2	24	7
12	5	4	4	4	4	5	5	4	5	5	5	5	5	5	5	5	5	6	5	5	5	5	5	5	4.8	24	13
13	3	4	4	3	4	4	5	5	5	6	5	6	6	6	5	5	5	8	7	5	5	5	5	5	5.9	24	9
14	7	7	7	6	7	7	8	8	8	7	6	6	3	6	7	6	6	8	6	5	5	5	5	5	7.0	23	14
15	7	7	6	6	7	8	11	19	14	17	10	8	7	7	6	6	6	12	6	6	5	5	5	5	7.7	24	23
16	8	7	7	7	6	6	6	7	8	8	6	5	5	5	5	7	7	11	10	9	9	8	9	11	6.8	23	15
17*	6	7	7	7	6	6	7	7	7	6	6	5	5	5	6	6	6	7	6	6	6	6	6	6	6.3	24	10
18*	5	5	5	5	5	5	5	5	5	6	6	5	5	6	6	6	6	6	8	8	7	6	11	13	5.4	24	9
19										6	6	5	5	6		6	7	8	8	5	5	5	6	5	7.4	13	16
20	11	9	7	7	6	7	8	12	14	8	7	5	6	7		6	6	6	7	5	5	5	5	5	7.1	22	23
21	5	5	5	5	5	5	6	7	7	6	6	5	6	6	5	6	6	6	6	6	5	5	6	5	5.6	24	9
22	5	5	4	4	3	4	4	4	5	4	4	4	4	4	4	5	5	4	5	4	4	4	4	5	4.0	24	6
23	4	3	3	4	3	4	6	5	4	4	4	4	4	4	4	4	4	5	4	6	6	6	6	5	4.5	24	7
24*	5	4	4	4	4	4	5	4	5	4	4	4	5	4	4	4	4	4	5	5	4	4	4	5	4.3	24	6
25*	4	4	4	4	4	4	4	4	4	4	4	4	4	5	4	4	4	5	6	5	5	4	5	5	4.3	24	9
26																											
27																											
28																											
29																											
MEAN	6	5	5	5	5	5	5	7	7	6	6	5	5	5	5	6	6	7	6	6	6	6	6	6	5.8		
NO	25	23	24	24	24	24	24	24	24	21	22	24	25	23	19	23	25	25	25	25	25	25	25	25		573	
MAX	21	14	13	11	9	10	11	19	14	17	10	8	7	8	8	9	11	14	10	13	14	15	15	27	8.8		29

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-3

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

WASHINGTON, D.C.

CONCENTRATION IN PPM
INFRARED ANALYSIS

CARBON MONOXIDE
MARCH 1969

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1																											
2*																											
3*																											
4																											
5																											
6																											
7																											
8																											
9*																											
10*																											
11																											
12																											
13																											
14																											
15																											
16*	2	3	2	4	4	4	4	4	4	5	5	4	3	2	2	2	3	2	3	3	2	1	2	2	2.2	13	5
17*	5	6	6	6	6	6	8		8	7	6	6	6	6	6	5	6	6	3	3	3	6	6	5	4.9	24	9
18	3	2	2	2	2	2	4	5	4	3	3	3	2	3	3	3	2	3	3	3	2	2	2	2	4.7	20	8
19	3	2	2	2	2	2	3	5	6	4	3	3	2	2	3	2	3	4	3	3	3	3	3	3	2.7	24	6
20	3	2	2	2	2	2	3	5	6	4	3	3	3	2	3	3	4	4	4	5	4	4	5	3	3.2	24	10
21	2	2	3	2	2	2	6	6	7	8		9	9	7	7	6	5	7	5	4	6	3	4	3	5.0	23	11
22	3	4	4	4	3	2	4	6	6	5			1	2	2	3	4	2	1	2	1	1	1	1	2.8	22	7
23*	1	1	1	1	0	0	1	1	1	3	3	3	3	3	2	2	2	2	2	3	2	2	3	3	1.8	24	4
24*	3	3	2	2	2	2	2	4	2	3	3	3	2	3	3	2	2	2	3	3	2	3	3	2	2.4	24	4
25	3	3	2	2	2	3	4	4	5	5	3	3	2	3	3	3	3	4	3	3	2	3	2	2	3.0	24	6
26	2	1	1	2	1	2	4	4	5	3	3	3	2				2	2	3	2	2	1	1	1	2.2	21	6
27	1	2	2	2	2	2	3	6	9	11	8	5	3	2	2	2	3	4	8	15	12	6	8	5	4.8	24	22
28	2	2	1	2	2	2	4	5	7	7	7	6	3	2	2	2	4	6	5	6	8	2	8	2	4.2	24	12
29	8	3	2	3	2	2	4	7	11	7	2	2	2				2	1	6	5	2	2	2	2	4.1	22	14
30*	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	2	2	2	2	1	2	1.3	24	3
31*	1	1	1	1	1	0	1	0	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	0.8	24	2
MEAN	15	15	15	15	15	15	15	14	15	15	13	15	15	13	13	14	16	16	16	16	16	14	16	16		360	
NO.	8	6	6	6	6	6	8	7	11	11	8	9	9	7	7	6	6	7	8	15	12	8	8	5	5.0		22
MAX.																											

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-4

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

WASHINGTON,D.C.

CARBON MONOXIDE
APRIL 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX.
1	0		0	0	0	0	1	1	2	2	2	2	2			3	3	3	3	2	2	2	2	1	1.5	23	4
2	2	1	2	1	1	2	3	4	4	4	3	3	2	2	2	2	4	4	4	3	3	2	2	2	2.5	24	6
3	2	2	2	1	2	2	2	4	4	3	3	2	3	3	2	3	3	4	3	3	2	2	1	1	2.4	24	6
4	2	1	1	1	1	1	2	3	3	2	2	2	1	2		1	2	3	2	2	2	3	5	3	2.0	23	7
5	1	1	1	1	1	1	1	2	2	2	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1.2	24	3
6*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0	24	2
7*	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0.7	24	2
8	1	1	1	1	1	1	2	3	3	3	2	2	4	3	3					1	1	1	2	2	1.8	20	6
9	2	3	3	2	2	1	2	3	2	1	2	2	1	1	2	2	2	3	3	3	3	2	2	2	2.1	24	4
10	2	2	2	2	2	2	2	3	4	5	5	5	2	2	3	3	4	4	3	2	2	1	1	1	2.8	24	14
11	2	1	1	1	1	2	2	3	3	3	3	3	1						2	3	4	5	6	12	2.7	22	13
12	7	1	1	1	1	6	5	4	3	4	3	3	2	2	2	1	1	2	2	2	2	1	2	2	2.6	24	13
13*	2	1	1	1	1	1	1	2	3	3	1	0	0	0	0	2	1	2	1	2	3	2	3	3	1.2	24	5
14*	4	3	3	2	2	2	2	2	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1.2	24	7
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	24	1
16	0	0	0	0	0	0	0	0					3	3	3	3	3	4	4	5	6	7	7	5	2.6	22	8
17	3	2	3	3	2	2	3	3	3	2	2	2	2	3	2	3	3	3	3	3	4	3	2	2	2.6	24	5
18	2	1	1	1	1	1	2	3	3	3	2	2	2	2	2	2	3	3	4	4	5	4	3	3	2.4	24	6
19	2	2	2	3	2	2	2	3	3	2	2	2	2	2	2	2	2	3	3	5	3	3	6	6	3.0	22	7
20*	4	3	3	2	2	1	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2.2	24	6
21*	2	2	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1	2	2	1	1	1	1	1.1	24	3
22	1	1	1	1	1	1	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1.2	24	4
23	1	1	1	1	1	1	3	4	4	4	3	3	2	2	3	3	3	3	3	3	3	2	2	2	1.4	22	4
24	1	1	1	1	1	1	4	4	4	3	3	3	3	5	3	4	5	5	3	3	2	2	2	2	2.7	24	7
25	1	1	1	1	1	1	3	4	4	3	3	3	2	3	3	3	3	3	2	3	2	2	2	2	2.3	24	5
26	2	2	2	2	1	2	2	4	4	3	2	2	3	3	2	2	2	3	1	2	2	2	2	2	2.1	24	6
27*	3	2	1	1	0	1	1	1	3	3	3	3	1	2	2	2	2	1	2	4	4	2	5	6	2.3	24	8
28*	1	1	1	1	0	1	2	3	2	1	2	2	2	3	0	2	4	2	2	2	2	2	2	2	1.1	22	5
29	1	1	1	1	1	2	2	3	4	5	5	5	3	2	3	2	3	2	2	2	2	1	1	1	2.2	23	5
30	1	1	1	1	2	2	4	5	3	3	3	3	3	3	2	2	2	2	2	2	2	2	1	1	2.2	24	7
MEAN	2	1	1	1	1	1	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.9		
NO	30	29	30	30	30	29	28	29	29	29	29	29	30	28	27	28	29	29	29	30	30	30	30	30		701	
MAX	7	3	3	3	6	6	5	5	4	5	5	5	4	5	3	4	5	5	4	5	6	7	7	12	3.0		14

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-5

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

WASHINGTON, D.C.

CARBON MONOXIDE
MAY 1968

DAY OF MONTH	A M												P M												DAILY MEAN	NO OF HRS	5-MIN MAX.
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12			
1	1	1	1	1	2	2	3	4	2	2	2	1	2	2	2	2	2	1	2	5	3	3	1	1	2.0	24	6
2																											
3	3	2	1	1	2	3	4	7	5	4	4	3	2	2	4	4	6	5	6	3	6	5	4	4	3.7	24	13
4*	2	4	4	1	2	2	2	2	2	2	2	2	2	1	2	2	2	2	3	4	4	3	3	2	2.5	24	6
5*	2	2	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1.6	24	3
6	1	1	1	1	1			3	3	3	3	2	2	2	2	2	2	2	2	3	3	2	2	1	2.0	22	5
7	1	1	1	1			5	3			1	1	1	1	1	2	2	1	2	3	4	6	7	11	2.7	20	12
8	10	5	3	3	2	2	3	5	5	3	2	1	1	1	2	1	1	0	0	1	0	0	0	0	2.1	24	11
9	0	0	0	0	0	1	2	3	1	1	2	0	1	1	1	2	2	1	1	1	1	1	1	1	0.9	24	4
10	0	0	0	0	0	1	3	4	3	1	1	1			1	1	1	1	1	3	8	4	3	2	1.9	22	11
11*	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	0	1	1	2	0.8	24	3
12*	2	3	2	0	0	0	0	0	0	1	1	1	1	1	2	2	1	1	3	3	2				1.2	21	4
13								4	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1.5	17	5
14	1	1	1	1	1	1	2	2			0	0	1	1	1	2	3	2	3	4	2	2	1	1	1.5	22	5
15	1	0	0	0	1	1	3	4	2	2	2	2	2	2	3	3	3	2	2	2	1	1	2	2	1.8	24	5
16	1	1	0	1	1	2	4	6	3	3	2	2	3	3	4	4	4	2	2	4	7	7	4	5	3.0	24	9
17	2	0	0	0	1	4	6	3	2	2	1	2	2	2	3	3	4	2	3	4	4	2	2	2	2.4	24	7
18*	2	2	3	2	1	1	3	3	3	3	2	1	2	2	1	1	1	1	2	2	3	4			2.0	22	6
19*	2	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2	2	4	3	2	2	2	2	1.6	24	5
20	1	1	1	1	1	1	3	3	3	3	3	3	3	3	2	2	3	2	2	2	2	2	3	2	2.1	24	4
21	2	2	1	1	2	4	5	4	2				4	4	5	6	8	4	4	5	5	5	5	5	4.0	21	11
22	4	4	3	3	3	5	6	6	6	5	5	5	5	5	5	6	5	5	5	7	6	6	11	13	5.6	24	14
23	7	5	4	4	4	5	8	7	6	7	6	6	7	7	7	9	8	6	5	5	5	6	5	5	6.0	24	21
24	5	5	5	4	5	7	10	10	9	7	6	5	6	5	5	5	5	5	5	5	5	4	4	5	5.6	24	12
25*	5	5	4	4	4	5	5	4	4	4	4	4	4	4	4	4	4	4	4	5	6	7	12	16	5.1	24	20
26*	9	6	6	10	12	11	9	6	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5.5	24	17
27	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	4	3.7	24	5
28	4	3	3	3	3	4	5	6	5	5	5	4	5	5	4	4	4	5	5	6	5	4	4	4	4.3	24	7
29																											
30																											
31												3	2	2	3	3	2	2	3	2	2	3	3	4	2.8	13	5
MEAN	3	2	2	2	2	3	4	4	3	3	3	2	3	3	3	3	3	2	3	3	3	3	3	4	2.9		
NO.	26	26	26	26	25	24	25	27	25	24	26	27	27	27	28	28	28	28	28	28	28	27	26	26		636	
MAX	10	6	6	10	12	11	10	10	9	7	6	6	7	7	7	9	8	6	6	7	8	7	12	16	6.0		21

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-6

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

WASHINGTON, D.C.

CARBON MONOXIDE
JUNE 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*	4		3	2	2	3	3	2	2	2	3	2	2	2	3	2	2	2	2	3	2	2	2	2	2.4	23	5
2*	2	2	1	2	2	2	2	2	2	2	2	2	3	2	3	2	2	3	4	6	4	3	4	3	2.5	24	7
3	2	1	1	1	1	3	7	12	8	5	2	1	3	2	5	3	3	2	2	3	4	5	4	4	3.5	24	19
4	3	1	1	1	1	2	3	3	2	2	2	2	2			2	2	1	2	2	3	8	12	14	3.2	22	15
5	9	5	4	4	3	8	12	7	2	2	2	1	2	2	2	3	3	2	2	3	2	2	2	2	3.6	24	14
6	2	1	1	1	2	2	4	5	4	3	3	2	2	2	2	3	3	2	2	1	2	2	2	2	2.3	24	6
7	1	1	1	1	1	2	3	4	3	3	3	2			2	3	3	1	2	1	2	2	2	2	2.2	22	12
8*	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	2	1.3	24	4
9*	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	2	1	1	2	1.3	24	5
10	2	1	1	1	2	2	4	2	2	1	1	1	1	1	1	2	1	1	1	1	1	1	0	1	1.4	24	5
11	1	1	1	0	0	1	2	2	1	1	1	1			2	3	3	4	2	4	4	3	3	3	1.9	22	5
12	1	1	1	1				5	4	4	3	4	4	4	4	4	4	6	5	3	4	4	5	5	3.6	23	8
13	4	3	3	3	3	5	5	5	4	4	5	2	3	3	3	4	3	3	1	2	2	3	2	2	3.2	24	12
14	2	2	1	2	2	3	4	2			3	4	3	3	3	3	2	2	2	3	4	4	4	4	2.7	22	6
15*	3	2	2	1	2	1	1	1	2	2	1	1	1	1	1	1	1	0	1	2	2	3	2	3	1.5	24	5
16*	2	2	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0	1	4	2	2	3	2	1	1.2	24	5
17																											
18																											
19																											
20																											
21																											
22*																											
23*																											
24					3	3	6	6	5	5	4	3	3	3	2	4	6								4.2	13	9
25									5	3	2	3		1	1	2		2	2	2	2	1	1	1	2.0	14	8
26	1	1	1	1	1	2			1	2	2	1	1	1	1	2	2	1	1	2		2	2	2	1.4	21	6
27	1	1	1	1	1	1	2	2	2	2	2	1	2	1	1	2	2	2	2	2	2	2	2	2	1.5	24	4
28																											
29*		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		2	2	2	1.9	22	3
30*	1	1	2	1	1	1	2	2	2	2	2	1	2	1	1	1	1	1	2			2	1	2	1.4	22	4
MEAN	2	2	2	1	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2.2		
NO	10	19	20	20	20	20	19	20	21	21	22	22	19	19	21	22	21	21	21	20	18	21	21	21		488	
MAX	9	5	4	4	3	8	12	12	8	5	5	4	4	4	5	6	6	6	5	6	4	8	12	14	4.2		19

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-7

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

WASHINGTON, D.C.

CONCENTRATION IN PPM
INFRARED ANALYSIS

CARBON MONOXIDE
JULY 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN MAX
1	1		1	1	2	5	7	8	2	2	2	1	1	1	2	3	3	2	2	2	2	2	2	2	2.4	24	12
2	2	2	2	2	2	3	5	9	7	2	2	2	1	1		2	5			4	4	3	3	4	3.0	24	12
3	2	3	2	2	3	4	4	4	3	3	3	2	2	3	2	5	6	6	6	6	5	5	6	6	3.8	24	9
4	5	3	5	3	3	3	3	2	2	3	3	3	3	3	3	3	3	3	3	4	5	6	7	7	3.7	24	9
5	6	5	5	4	4	5	7	4	3	3		2	2	3	3	3	3	2	2	3	3	4	4	4	3.7	23	9
6*	4	2	2	2	2	2	3	3	3	3	2	2	3	2	2	2	2	3	2	3	3	3	3	6	2.6	24	11
7*	4	4	2	2	2	1	1	1	1	1	1	1	2	1	2	2	1	2	1	2	2	2	2	2	1.7	24	5
8	1	1	2	2	2	3	4	4	2	2	3	3	2	2	2	2	3	1	2	2	2	2	2	3	2.2	24	6
9	2	2	2	2	2	4	5		3	3	2	2	1			2	2	2	1	2	2	2	2	2	2.1	21	8
10	1	1	1	1	1	2	2	3	3	2	2	2	1	2	2	2	2	2	2	3	3	3	3	3	2.0	24	5
11	4	3	2	2	2	2	3	3	3	2	2	2	2	2	3	2	2	2	2	2	2	3	1	2	2.1	24	7
12	1	1	1	1	1	2	3	2	1		2	2	2	2	2	2	2	2	2	2	2	3	3	3	1.8	23	9
13*	3	3	2	1	1	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	3	2	3	2	2.2	24	7
14*	2	2	1	1	1	1		1	1	1	3	2	3	2	2	2	2	1	2	2	2	2	3	3	1.7	24	8
15	4	3	2	2	3	3			4	2	3	3	2	2	2	3	3	2	2	4	7	4	4	5	3.0	23	8
16	4	3	2	1		2	4	4	3			0	1	0	1	1	1	1	0	2	3	5	5		2.0	20	8
17	0	1	0	0	0	1	2	3	3	0	0	1	1	0	1	1	4	3	5	5	5	5	3	3	2.0	24	7
18	1		0	1	1	6	8	7	2	2	1	1	1	1	0	1	1	0	1	0	1	0	0	1	1.6	23	10
19	0	0	1	1	0	1	2			0	1	1	1	2	1	2	1	5	5	5	5	6	4	5	2.4	23	9
20*	3	1	0	0	0	1	2	0	0	1	2	1	1	1	2	1	0	2	1	2	4	6	10	12	2.1	24	16
21*	9	5	4	3	1	2	2	1	0	1	2	2	2	0	1	0	0	0	1	1	2	2	2	2	1.9	24	11
22	1	0	0	0	1	2	4	4	1	1	2	2	2	2	2	2	3	2	2	2	2	2	2	2	1.7	24	7
23	1	1	1	2	2	3	5	4	3	2	1	1	2	2	2	2	3	2	2	3	2	3	2	3	2.2	24	8
24	1	1	1	1	1	3	6	7	4	2		2	2	1	2	3	4	3	4	4	3	4	3	3	2.7	23	9
25	3	3	3	3	3	5	7	5	3	2	1	1	1	2	4	3	3	2	2	3	2	2	2	3	2.7	24	10
26	3	2	1	1	1	2	3	3	2	1	1	1	1		2	2	2	2	3	3	2	3	3	3	2.0	23	5
27*	3	2	2	1	1	2	2	2	1	2	2	2	2	2	2	2	2	2	2	3	2	2	3	2	2.0	24	4
28*	2	2	1	2	2	1	2	2	3	2	2	2	3	2	2	2	3	2	2	3	3	3	3	4	2.3	24	5
29	4	4	3	2	2	2	2	3	3	2	2	2	2	2		3	2	2	2	3	3	4	5	7	2.8	23	8
30	4	2	2	2	2	3	4	4	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2.3	24	6
31	3	2	2	2	2	3	5	4	2	1	2	1	1	2	2	3	3	3	2	3	3	3	2	2	2.3	24	7
MEAN	3	2	2	2	2	3	4	4	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	4	2.4		
NO.	31	29	31	31	30	31	30	28	30	29	28	31	31	29	28	31	31	30	30	31	31	31	31	30		723	
MAX.	9	5	5	4	4	6	8	9	7	3	3	3	3	3	4	5	6	6	6	6	7	6	10	12	3.8		16

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-8

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CONCENTRATION IN PPM
INFRARED ANALYSIS

WASHINGTON.D.C.

CARBON MONOXIDE
AUG. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	2	1	1	2	2	3	5	5	3	2	2	2	2		2	2	3	3	2	4	4	2	2	2	2.3	23	8
2	1	1	1	1	1	3	5	6	2	3	1	1	3	2	3	2	3	3	4	4	4	2	2	2	2.5	24	8
3*	2	2	1	1	1	2	2	2	2	3	2	2	2	2	2	2	2	2	2	4	2	2	2	3	1.8	24	5
4*	2	2	1	1	1	2	2	2	3	2	2	2	3	3	2	2	1	1	3	4	4	2	3	3	2.4	24	6
5	2	1	1	1	1	2	5	7	5	3	4	3	2	3	3	2	1	1	2	2	3	4	6	6	2.9	24	9
6	5	2	2	1	1	2	4	3	2	2	2	2	2	2	3	4	5	2	2	3	3	3	3	3	2.5	24	9
7	2	2	2	1	1	2	5	8	3	2	2	2			2	4	5	4	4	4	3	3	2	2	2.9	22	9
8	1	1	1	1	1	2	3	4	2	1	1	1	2	2	2	2	2	2	2	4	4	3	4	3	2.2	24	8
9	2	1	1	1	1	2	4	5	3	2		2	2	2	2	3	4	2	2	4	4	4	4	4	2.6	23	10
10*	3	3	2	1	1	2	2	2	1	2	2	1	2	1	2	2	3	3	3	3	2	2	2	2	1.9	24	9
11*	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	4	8	1.3	24	9
12	7	5	5	3	1	3	3	2	2	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2.4	24	9
13	1	1	0	0	1	2	3	2	2	1	1	1	1		2	3	3	2	2	2	1	2	2	2	1.6	23	4
14	1	1	1	1	1	3	5	8	7	5	3	3	3	2	2	3	4	5	7	8	6	5	3	3	3.6	24	10
15	2	1	1	1	1	2	4	5	2	2	1	1	1	1	2	2	3	2	2	3	3	2	2	2	2.0	24	9
16	2	1	1	1	1	2	4	5	3			2	1	1	1	1	2	2	1	1	1	3	3	3	2.3	24	9
17*	6	6	3	2	2	2	4	3	2	2	2	1	1	1	1	1	1	2	2	2	3	3	6	3	2.6	24	10
18*	2	2	1	1	1	1	1	1			0	0	0	1	0	1	1	1	1	2	2	2	2	1	1.0	22	4
19	1	2	2	1	1	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.8	24	4
20	2	2	2	1	2	3	5		2	2	2	1	2			4	5	3	3	4	3	3	3	3	2.7	21	11
21	2	2	2	2	3	4	6	5	3	2	2	2	2	2	2	3	3	3	3	4	4	3	3	3	2.9	24	9
22	3	2	2	2	3	6		4	2	3	3	3	2	2	2	3	3	2	1	3	3	2	2	3	2.5	23	9
23	2	1	1	1	1	3	4	3	2	1	1	1			2	2	3	3	3	3	3	3	2	3	2.2	23	9
24*	2	1	1	2	2	2	3	3	2	3	2	1	2	2	1	2	2	4	2	3	4	5	2	3	2.3	24	9
25*	3	2	1	1	1	2	2	2	2	2	1	1	1	1	2	1	1	2	2	1	2	5	7	3	2.0	24	9
26	2	1	1	1	1	3	3	2	1	1	1	1	1	2	1	2	2	1	2	2	1	2	1	2	1.6	24	8
27	1	1	1	1	1	2	4	3	2	1	1	1	2	1		4	4	2	3	4	2	4	3	3	2.3	23	10
28	3	2	1	2	2	3	4	3	3	2	1	2	2	2	2	2	2	2	2	4	2	6	9	7	2.9	24	10
29	5	3	4	3	3	3	4	3	3	3	2	2	3	3	2	2	2	2	2	4	4	5	7	9	3.4	24	11
30	8	7	5	4	3	4	7	7	3	2		3	2	2	2	3	2	2	3	4	5	6	10	17	4.9	23	19
31*	11	13	12	11	6	9	5	6	5	5	4	3	2	3	3	3	2	2	3	4	3	3	2	4	5.1	24	14
MEAN	3	2	2	2	2	3	4	4	3	2	2	2	2	2	2	2	3	2	2	3	3	3	3	4	2.5		
NO	31	31	31	31	31	31	30	30	30	29	28	31	29	27	29	31	31	31	31	31	31	31	31	31		728	
MAX	11	13	12	11	6	9	7	8	7	5	4	3	3	3	3	4	5	5	7	8	6	6	10	17	5.1		19

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-9

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

WASHINGTON, D.C.

CARBON MONOXIDE
SEPT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*	3		4	4	3	2	1	1	1	2	2	2	2	2	2	1	2	1	2	2	2	2	2	2	2.0	23	6
2	3	2	2	2	2	3	4	3	1	1	1	1	2	1	2	2	2	2	3	2	2	3	3	3	2.2	24	8
3	7	6	5	4	6	8	10	8	5			2	2	2	2	3	4	3	4	4	4	4	3	2	4.4	22	13
4	3	2	2	2	3	5	11	10	6	4	3	3	2	3	3	3	2	3	6	7	7	8	5	6	4.4	24	14
5	8	4	4	7	8	6	8	8	5	3	2	2	1	2	2	2	2	2	2	2	1	1	1	1	3.5	24	12
6	1	1	1	1	1	1	2	5	4		3	3	2	3	2	3	3	2	3	8	7	3	2	2	2.7	23	16
7*	2	1	1	1	1	2	3	2	2	2	2	2	1	1	1	1	1	1	2	3	3	6	6	11	2.4	24	14
8*	14	14	11	5	3	2	6	3	2	2	2	1	1	1	1	1	1	1	2	5	6	3	2	2	3.9	24	17
9	1	1	1	4	6	7	9	7	4	2	2	1	2	2	2	2	2	1	2	2	1	1	1	2	2.6	24	11
10	1	1	1	1	1	2	3	4	5		2	2	2	2	3	5	8	4	3	2	3	3	2	3	2.5	23	11
11	1	1	0	0	1	3	4	8	4	2	2	1	2	3	2	6	12	4	4	2	1	2	1	1	2.8	24	16
12	1	1	1	0	1	2	4	4	2	1	1	1	1	1	2	2	2	1	2	4	2	2	2	3	1.8	24	9
13																											
14*												2	2	2	2	2	2	2	4	7	6	6	8	12	4.3	13	14
15*	13	14	10	4	3	4	5	2	2	2	2	2	2	2	1	1	1	2	3	5	5	4	1	2	3.8	24	15
16	2	3	3	3	2	5	8	8	4	2	2	2	2	2	2	2	2	2	2	3	3	4	4	5	3.1	24	10
17	3	4	3	2	3	7	9	10		4	3	3	3	2	2	2	2	2	3	4	5	6	7	7	4.2	23	13
18	3	2	2	2	2	3	7	4	2	1	1	1	2	2	2	1	2	2	3	4	3	2	4	3	2.4	24	10
19	2	2	1	1	2	3	5	4	4	3	2	1	2	3	3	2	2	2	3	4	3	3	1	2	2.4	24	6
20	1	2	3	2	3	5	10	10	5	3	2	2		3	2	2	2	2	4	7	13	18	18	17	5.8	23	23
21*	16	16	17	17	14	8	5	8	3	4	2	1	2	2	1	1	1	2	4	5	7	8	4	3	6.2	24	19
22*	2	3	3	3	3	3	4	3	2	2	2	1	2	1	1	1	2	2	4	4	3	3	3	4	2.5	24	6
23	3	2	1	1	2	5	8	10	10	9	6	3	3	3	3	3	3	3	4	5	3	2	2	2	3.9	24	13
24	2	2	2	1	2	3	5	6		6		3	2	2	2	3	4	3	3	3	2	2	2	2	2.7	22	8
25	1	1	1	1	1	2	6	5	3	3	3	3	2	2	2	4	5	4	6	6	4	3	2	2	2.9	24	10
26	2	2	2	1	1	3	5	4	2	2	2	1	1	2	2	3	4	5	5	7	5	4	2	2	2.8	24	9
27	1	1	1	1	1	3	4	5	4		2	2	2	2	1	3	4	2	3	3	3	3	4	6	2.6	23	10
28*	5	4	3	2	2	3	3	2	3	3	2	2	2	2	2	2	2	3	4	4	3	3	4	5	2.9	24	10
29*	4	3	2	3	2	1	1	1	1	1	1	1	2	1	1	1	1	1	3	3	3	4	7	9	2.4	24	10
30	6	4	3	2	3	5	9	9	9	5	3	3	2	3	3	4	4	4	5	4	3	3	2	2	4.1	24	11
MEAN	4	4	3	3	3		6	5	4	3	2	2	2	2	2	2	3	2	3	4	4	4	4	4	3.2		
NO.	28	27	28	28	28	26	28	28	26	24	26	29	28	29	29	29	29	29	29	29	29	29	29	29		675	
MAX.	16	16	17	17	14	8	11	10	10	9	6	3	3	3	3	6	12	5	6	8	13	18	18	17	6.2		23

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-10

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

WASHINGTON, D.C.

CARBON MONOXIDE
OCT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	2	2	2	1	2	8	10	10	10	7	3	2	2		3	4	4	4	4	3	2	3	2	2	3.9	23	13
2	2	1	1	1	2	4	8	8	4	3	2	2	2	2	2	3	4	3	4	5	3	1	1	1	2.8	24	10
3	1	1	1	1	1	3	4	4	3	2	3	3	2	4	4	8	8	6	3	3	1	1	1	2	2.9	24	10
4	1	1	1	1	1	2	3	4	3	2	2	2	2		2	3	2	3	3	3	2	3	2	2	2.2	23	9
5*	2	2	1	1	1	1	2	1	2	2	2	1	1	1	1	1	2	2	4	6	9	11	11	11	3.2	24	13
6*	11	12	11	9	9	9	9	6	4	2	1	2	1	1	1	1	1	2	2	2	2	2	2	1	4.2	24	14
7	1	1	1	1	1	3	5	5	4	2	2	1	2	2	2	3	2	2	3	3	3	3	3	2	2.2	24	6
8	2	1	1	1	1	3	5	6	3	2	2	1	1	1		1	1	1	2	3	1	2	3	3	2.1	23	9
9	2	1	1	1	1	2	3	4	3	2	2	1	2	1	2	2	2	2	3	2	1	1	1	1	1.8	24	5
10	1	1	1	1	1	2	4	5	5	3	2	1	2	2	3	4	3	3	2	3	2	2	1	2	2.3	24	7
11	1	1	1	1	2	3	4	5	4	3	2	3	2			4	4	4	5	5	3	3	3	3	3.0	22	7
12*	3	3	3	2	2	3	4	5	4	3	2	3	2	3		4	4	4	5	5	3	3	4	3	3.1	24	9
13*	4	4	4	3	2	2	2	3	3	3	3	2	2	1	1	3	2	3	4	2	3	4	2	4	2.6	24	8
14	2	2	2	1	2	1	3	4	4	4	3	2	2	1	2	2	2	2	2	2	2	3	2	2	2.1	24	6
15	2	1	1	1	1	1	2	2	2	2	2	1	2	2	2	4	3	6	12	15	9	5	4	5	3.8	22	18
16	5	4	4	3	2	2	5	6	5	3	3	2	1	1	2	2	2	3	3	4	3	4	3	3	3.2	24	9
17	2	2	2	2	2	3	5	6	5	3	3	2	2	2	2	3	3	3	3	3	1	2	2	2	2.5	24	10
18	1	1	1	1	1	2	5	4	4	3	2	1	4	3	3	2	2	2	2	2	1	2	2	2	2.0	22	9
19*	1	1	1	1	1	1	1	1	2	2	2	2	2	2	3	2	3	3	2	3	1	2	2	2	1.8	24	7
20*	1	1	1	1	1	1	1	1	2	2	2	2	1	2	1	1	2	2	3	3	2	2	2	2	1.8	24	9
21	1	1	1	1	1	3	4	4	3	2	2	1	2	2	2	3	3	4	5	6	8	7	7	7	3.2	24	10
22	8	10	10	11	9	8	20	17	9	4	2	2	2	2	1	5	3	4	2	2	2	1	1	1	5.7	24	26
23	1	0	0	0	1	3	7	9	7	4	2	2	2	2	4	3	3	3	3	4	3	3	2	2	2.6	24	11
24	2	2	1	1	1	2	3	4	3	2	2	2	2	2	2	2	3	3	3	2	1	2	1	1	2.4	23	9
25	1	1	1	1	2	2	3	4	3	2	2	2	1	1	1	2	2	3	3	2	1	1	1	1	1.8	24	6
26*	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	2	3	2	2	1.1	24	4
27*	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1.0	24	3
28																											
29																											
30																											
31																											
MEAN	2	2	2	2	2	3	5	5	4	3	2	2	2	2	2	3	3	3	3	3	3	3	3	3	2.6		
NO	27	27	27	27	27	27	27	27	27	27	27	27	25	21	25	27	27	27	27	27	27	27	27	27		638	
MAX	11	12	11	11	9	9	20	17	10	7	5	4	3	4	4	8	8	6	12	15	9	11	11	11	5.7		26

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-11

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

WASHINGTON, D.C.

CARBON MONOXIDE
NOV. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX.
1																											
2*																											
3*																											
4																											
5																											
6																											
7																											
8																											
9*																											
10*																											
11																											
12																											
13																											
14																											
15																											
16*																											
17*																											
18											3	3															
19	2	2	2	2	2	2	3	6	6	5	4	4	4	4	4	4	4	5	3	3	3	2	2	2	2.9	14	6
20	3	3	3	3	3	3	4	7	7	4	4	4	4			4	4	5	4	4	3	3	3	3	3.6	24	11
21	2	2	2	2	2	2	3	7	5	3	3	2	3	3	3	3	4	5	3	2	2	2	2	2	3.6	22	17
22	2	2	1	1	1	2	3	5	7	7	5	5	4	4	5	4	7	10	9	7	7	6	7	8	2.8	24	18
23*	10	11	11	7	6	9	7	9	14	9	3	3	3	3	3	3	3	3	2	2	2	2	3	3	4.9	24	14
24*	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	4	2	2	2	2	3	3	3	5.5	24	19
25	2	1	1	1	2	2	3	7	7	3	3	3	3	4	3	3	5	5	3	2	2	3	3	3	2.2	24	5
26	3	3	2	2	2	2	4	5	7	7	4	3	2	3	4	5	5	7	6	4	4	3	3	2	3.1	24	10
27	2	2	2	2	2	1	2	5	8	8	6	5	6			6	8	11	8	5	6	6	4	4	3.7	24	12
28	3	3	4	3	2	2	2	3	3	5	5	3	2	3	3	5	5	3	4	2	1	2	2	2	4.9	22	13
29	2	1	1	1	1	2	2	4	4	4	3	3	3	5	4	4	5	4	3	3	3	3	2	3	2.9	24	7
30*	3	2	3	3	3	3	3	3	5	4	4	4	4	4	4	4	5	4	4	4	5	4	4	4	2.9	24	9
																									3.7	24	8
MEAN	12	12	12	12	12	12	12	12	12	12	13	13	13	11	11	13	13	13	13	13	13	13	13	13		298	
NO.	10	11	11	7	6	9	7	9	14	9	6	5	6	5	5	6	8	11	9	7	7	6	7	8	5.5		19
MAX.																											

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-12

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

WASHINGTON, D.C.

CARBON MONOXIDE
DEC. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*	5	4	5	5	5	5	5	6	6	6	6	6	6	6	6	7	7	7	7	7	8	8	8	8	6.8	24	16
2	4	4	4	4	4	4	4	6	6	6	6	6	6	6	4	4	5	6	4	4	4	4	5	5	4.3	24	9
3	4	3	3	3	4	6	9	13	11	7	5	4	4	4	4	7	9	8	6	5	5	3	3	3	4.6	24	21
4	3	2	3	2	2	2	5	4	6	6	4	4	4	5		4	5	5	3	2	2	3	2	2	5.5	24	10
5	2	2	2	2	2	2	3	4	6	4	3	2	4	4	4	4	6	6	4	4	3	3	3	3	3.3	23	11
6	3	3	3	3	3	4	4	8	8	6	3	3	4	4	4	5	8	11	8	6	6	6	6	4	3.4	24	16
7*	5	4	4	3	3	3	3	5	4	4	3	3	3	3	3	5	4	5	3	3	3	3	3	3	5.1	24	10
8*	3	3	3	3	3	3	3	4	3	3	2	3	2	3	3	3	4	3	3	3	3	3	3	3	3.5	24	9
9	3	3	3	3	3	3	4	5	5	4	4	4	4	4	4	4	6	5	4	5	3	3	3	4	3.0	24	9
10	4	3	3	3	4	4	5	7	7	5	4	4	6	5	5	6	8	8	5	5	5	5	5	5	3.7	24	15
11	5	4	4	5	4	5	6	11	10	9	8	7	7	6		5	7	9	6	5	6	6	5	5	5.0	24	18
12	5	4	4	4	4	4	5	6	6					4	4	5	7	7	5	3	3	3	2	2	6.3	23	14
13																									4.3	20	
14*											4	3	3	3	3	4	4	3	3	3	2	2	3	3	3.1	14	6
15*	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	4	3	3	3	3	3	3	4	3.0	24	7
16	3	3	3	3	3	3	4	7	6	6	4		2	3	3	3	4	5	3	3	3	3	3	3	3.6	23	22
17	2	3	3	3	3	3	3	6	6	5	3	3	3	4	3	3	5	7	4	4	3	3	3	4	3.6	24	12
18	3	3	3	5	4	4	5	7	8	8	5	4	3	3	3	4	5	6	4	4	4	4	4	6	4.5	24	10
19	6	5	4	3	3	3	5	8	10	7	4	4	4	4	4	6	10	11	6	5	5	7	6	6	5.9	24	18
20	5	4	4	4	4	4	5	10	13	13	10		4	3	3	3	4	5	3	3	3	3	2	2	4.9	23	15
21*	3	2	3	3	2	2	2	3	3	3	3	2	2	1	1	2	3	3	3	3	3	4	6	5	2.7	24	12
22*	4	4	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3	2	2	2	2.4	24	8
23	2	1	1	1	1	1	1	3	5	3	3	3	3	3	2	2	3	3	3	2	1	1	1	1	1.9	24	8
24	1	1	1	1	1	1	2	3	3	3		2	2	2	2	2	3	3	2	1	1	1	2	2	1.7	23	6
25	2	1	2	2	2	1	1	2	1	1	1	2	1	1	1	1	1	2	2	2	1	2	2	2	1.5	24	4
26	2	2	2	2	2	2	3	4	4	3	3	3	3	3	2	3	4	3	2	2	2	2	2	3	2.7	24	6
27	2	2	2	2	2	2	3	4	5	4	3	3	3		3	4	5	7	9	7	8	9	8	3	4.2	23	14
28*	3	2	2	2	1	1	2	2	3	2	1	1	1	1	2	1	2	1	2	1	2	1	2	2	1.5	24	4
29*	1	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1.6	24	4
30	2	2	2	2	2	2	3	4	5	4	3	2	2	3	3	3	4	4	3	2	2	2	2	2	2.7	24	8
31	2	1	1	1	1	1	1	2	3	3	2	2	3	3	3	4	5	6	5	3	3	3	2	2	2.6	24	8
MEAN	3	3	3	3	3	3	3	5	5	5	4	3	3	3	3	3	5	5	4	3	3	3	4	3	3.5		
NO	29	29	29	29	29	29	29	29	29	28	28	27	29	29	28	30	30	30	30	30	30	30	30	30		700	
MAX	6	5	5	5	5	6	9	13	13	13	10	7	7	6	5	7	10	11	9	7	8	9	12	6	6.3		22

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-13

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

WASHINGTON, D.C.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
JAN. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	.03		.02	.02	.02	.00	.00	.00	.00	.00	.00	.00	.01	.01			.02	.02	.03	.04	.04	.06	.05	.05	.019	21	.07
2	.09	.07	.07	.08	.09	.12	.15	.18	.18	.16	.15	.11	.10	.09			.08	.10	.09	.08	.09	.09	.08	.08	.104	22	.19
3	.05	.04	.04	.04	.04	.05	.04	.08	.11	.12	.13	.09	.08	.07		.11	.16	.24	.23	.23	.20	.21	.18	.13	.115	23	.28
4	.10	.08	.07	.07	.07	.08	.07	.10	.11	.15	.10	.08	.10	.10			.02	.03	.02	.01	.01	.01	.00	.00	.062	23	.17
5	.00	.00	.00	.00	.01	.01	.01	.04	.06	.04	.03	.03	.03	.03			.04	.08	.12	.13	.14	.13	.11	.10	.051	22	.16
6*	.10	.09	.19	.09	.03	.03	.03	.06	.06	.06	.06	.05	.05	.04			.04	.04	.04	.04	.02	.01	.01	.02	.053	22	.25
7*	.03	.02	.01	.01	.01	.01	.01	.01	.01	.01	.00	.01	.01	.01		.01	.01	.02	.01	.01	.01	.01	.01	.02	.011	23	.04
8	.01	.01	.00	.00	.00	.01	.01	.02	.05	.04	.03	.02	.03	.02		.02	.04	.05	.05	.05	.05	.05	.05	.05	.028	23	.06
9	.04	.03	.01	.02	.01	.02	.04	.07		.07	.05	.05	.05	.05		.04	.07	.08	.05	.04	.04	.04	.04	.05	.043	22	.09
10	.05	.04	.03	.03	.03	.05	.07	.13	.15	.13	.09			.02			.04	.05	.06	.05	.05	.03	.04	.03	.058	20	.19
11	.03	.02	.02	.01	.01	.01	.02	.04	.05	.05	.04	.04	.02	.02			.03	.05	.05	.05	.05	.04	.03	.02	.031	22	.07
12	.02	.01	.01	.02	.02	.02	.04	.08	.10	.14	.05	.03	.04	.05			.07	.11	.10	.10	.11	.11	.11	.11	.065	22	.15
13*	.11	.12	.11	.11	.10	.11	.11	.11	.10	.09	.08	.06	.04	.03			.01	.01	.00	.00	.00	.00	.00	.00	.059	22	.13
14*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02		.02	.02	.01	.01	.01	.02	.02	.01	.01	.007	23	.03
15	.00	.00	.00	.00	.00	.00	.02	.06	.06	.05	.05	.04	.04	.03			.08	.09	.04	.03	.02	.01	.00	.00	.028	22	.13
16	.00	.00	.00	.00	.01	.01	.01	.03	.05	.03	.03	.02	.02	.02			.03	.05	.04	.03	.03	.03	.02	.03	.023	22	.06
17	.02	.01	.01	.03	.05	.07	.08	.12			.09	.04	.05			.03	.06	.09	.10	.12	.14	.08	.07	.10	.066	20	.17
18	.04	.02	.03	.02	.16	.10	.33	.38	.34	.38	.27	.16	.17	.11			.14	.32	.42	.44				.43	.224	16	.51
19	.46		.35	.26	.22	.23	.27	.29	.34	.49	.42	.31	.11	.01		.01	.03	.07	.09	.08	.07	.08	.11	.08	.198	22	.52
20*	.09	.06	.14	.13	.05	.06	.10	.22	.36	.26	.15	.07	.02	.01			.03	.07	.13	.22	.35		.40	.38	.156	21	.54
21*	.39	.47	.41	.26	.10	.10	.11	.09	.14	.14	.03	.01	.00	.00			.01	.00	.01	.01	.02	.02	.02	.02	.107	22	.54
22	.02	.01	.03	.06	.07	.12	.21	.26	.35	.26	.17	.07	.03	.02			.02	.06	.07	.07	.08	.06	.02	.02	.093	22	.41
23	.03	.01	.00	.00	.00	.00	.02	.08	.16	.13	.09			.08			.05	.05	.04	.01	.00				.044	17	.19
24								.02	.03	.03	.02	.02	.02	.02		.02	.03	.04	.03	.02	.02	.02	.01	.01	.022	16	.05
25	.01	.00	.00	.00	.00	.00	.01	.04	.06	.04			.03	.04			.04	.08	.08	.07	.06	.07	.08	.08	.039	20	.10
26	.05	.05	.05	.04	.04	.03	.05	.08	.10	.09	.06	.04	.03	.02			.05	.08	.11	.11	.14	.36		.59	.103	21	.71
27*	.69	.49	.43	.49	.30	.26	.35	.44	.42	.42	.46	.24	.07	.06		.04	.08	.23	.30	.27	.40	.27	.21	.20	.309	23	.74
28*	.16	.11	.10	.02	.02	.05	.32	.25	.21	.18	.11	.11	.10	.09			.08	.07	.09	.10	.08	.08	.07	.06	.112	22	.35
29	.07	.08	.08	.06	.07	.09	.10	.12	.13	.12	.12	.09	.05	.03			.03	.06	.09	.11	.06	.08	.06	.04	.078	22	.15
30	.03	.01	.01	.00	.00	.02	.04	.10	.14	.13	.17	.16	.13	.03			.09	.16	.12	.03	.03	.02	.04	.03	.068	22	.22
31	.02	.00	.00	.00	.00	.00	.00	.03	.05	.05	.04	.02	.02	.01			.07	.10	.07	.07	.03	.02	.01	.00	.028	22	.11
MEAN	.09	.07	.07	.06	.05	.05	.09	.11	.13	.13	.10	.07	.05	.04			.05	.08	.09	.08	.08	.07	.06	.09	.078		
NO	30	28	30	30	30	30	30	31	29	30	30	28	29	30		9	31	31	31	31	30	28	28	30		664	
MAX	.69	.49	.43	.49	.30	.26	.35	.44	.42	.49	.46	.31	.17	.11		.11	.16	.32	.42	.44	.40	.36	.40	.59	.309		.74

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-14

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

WASHINGTON, D.C.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
FEB. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS.	5-MIN MAX
1	.00	.00	.00	.00	.00	.00	.00	.02	.03	.03				.03			.05	.05	.06	.06	.07	.08	.09	.05	.032	18	.10
2	.03	.02	.00	.01	.00	.01	.00	.04	.07	.05	.05	.03	.03	.03			.04	.15	.12	.04	.02	.01	.00	.01	.035	22	.19
3*	.01	.00	.00	.00	.00	.00	.00	.02	.03	.03	.02	.01	.01	.01		.00	.00	.00	.01	.00	.00	.00	.00	.00	.006	23	.04
4*	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	23	.01
5	.00	.00	.00	.00	.00	.00	.01	.03	.06	.05	.02	.01	.01	.01			.02	.05	.06	.04	.05	.04	.04	.02	.023	22	.08
6	.02	.01	.01	.00	.00	.00	.02	.06	.08	.04	.01	.00	.00	.00			.02	.06	.06	.09	.18	.21	.24	.55	.075	22	.65
7	.54	.34	.30	.29	.19	.24	.18	.21	.16	.06	.02	.03	.02	.01			.01	.04	.04	.03	.02	.01	.01	.00	.125	22	.59
8							.00	.02	.04	.02	.01	.00	.00	.00			.02	.05	.06	.07	.03	.03	.02	.01	.024	16	.09
9	.02	.02	.01	.01	.00			.04	.05	.04	.05	.02	.03	.01		.02	.03	.05	.02	.02	.03	.03	.04	.01	.023	21	.07
10*	.00							.00	.01	.01	.01		.02	.01			.01	.01	.01	.01	.01	.01	.01	.01	.008	15	.02
11*	.01	.01	.00	.01	.00	.00	.00	.01	.01	.00	.00	.00	.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.002	22	.02
12	.00	.02	.00			.00	.01	.04	.09	.05	.03	.03	.02	.02		.01	.02	.03	.03	.01	.01	.00	.00	.00	.019	21	.11
13	.00	.01	.00	.00	.00	.00	.00	.02	.03	.02	.01	.01	.01			.00	.01	.03	.03	.01	.00	.01	.01	.01	.010	22	.09
14	.01	.01	.01	.00	.01	.02	.03	.06	.09	.06	.03	.02	.02	.02			.03	.08	.08	.05	.04	.03	.01	.01	.031	22	.11
15	.03	.04	.03	.01	.07	.08	.13	.31	.14	.29	.13	.07	.04	.03			.00	.01	.01	.01	.00	.00	.00	.00	.065	22	.39
16	.00	.00	.00	.00	.00	.00	.01	.07	.10	.06			.01	.01		.01	.01	.04	.07	.07	.08	.03	.06	.11	.036	21	.17
17*	.10	.06	.04	.06	.04	.04	.03	.03	.04	.05		.02	.02	.00		.00	.00	.00	.01	.00	.00	.00	.00	.00	.024	22	.13
18*	.00	.00		.00	.00	.00	.00	.00	.01	.02	.01	.01	.01	.00			.00	.00	.01	.02	.01	.01	.02	.01	.007	21	.03
19	.01	.01	.01	.00			.02	.06	.07	.06	.03	.03	.02	.02		.03	.03	.04	.06	.05	.06	.06	.13	.29	.051	21	.32
20	.28	.20	.14	.11	.07	.05	.08	.19	.28	.12	.04	.04	.02	.02			.02	.04	.03	.01	.00	.00	.00	.00	.076	22	.34
21	.00	.00	.00	.00	.00	.00	.00	.02	.03	.02	.01	.00	.01	.01	.00	.01	.03	.04							.009	18	.04
22																											
23		.01	.01	.00	.00	.01	.02	.08	.06	.03	.02	.02	.01	.01		.01	.02	.04	.05	.09	.11	.13	.08	.11	.041	22	.14
24*	.10	.04	.05	.08	.08	.07						.03	.02				.01	.01	.01	.02	.03	.03	.02	.03	.038	18	.11
25*																											
26										.05	.02	.01	.00	.01			.01	.03	.04	.04	.06	.27	.40	.38	.101	13	.43
27	.25	.30	.26	.23	.16	.09	.12	.18	.19	.14	.06	.03	.01	.00			.01	.03	.04	.06	.15	.15	.22	.29	.135	22	.32
28	.27		.25	.16	.12	.15	.16	.25	.17	.14	.03	.02	.02	.03			.01	.03	.04	.07	.11	.10	.07	.05	.107	21	.30
29	.04	.15	.05	.02	.00	.00	.00	.05	.07	.08	.05	.04	.04	.07			.06	.06	.07	.04	.02				.046	14	.17
MEAN	.07	.05	.05	.04	.03	.03	.04	.07	.08	.06	.03	.02	.02	.01			.02	.03	.04	.03	.04	.05	.06	.08	.043		
NO	24	23	23	23	22	22	23	25	25	26	23	24	26	25	1	10	27	27	26	26	26	25	25	25		552	
MAX	.54	.34	.30	.29	.19	.24	.18	.31	.28	.29	.13	.07	.04	.07	.00	.03	.09	.15	.12	.09	.18	.21	.40	.55	.135		.65

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-15

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

WASHINGTON, D.C.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
MARCH 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF OBS	5-MIN MAX
1									.01	.01			.00	.00		.00	.00	.01	.01	.01	.01	.02	.02	.02	.009	13	.03
2*	.03	.01	.01	.01	.01	.02	.01	.04	.05	.02	.01	.01	.01	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.010	23	.05
3*	.00	.00	.00	.00	.00			.00	.00	.00	-00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.01	.00	.000	21	.02
4	.00	.00	.00	.00	.00	.00	.00	.02	.03	.02	.00	.01	.02				.01	.01	.00	.02	.05	.04	.02	.01	.012	21	.06
5	.01	.00	.00	.00	.01	.02	.04	.14	.09	.03	.00	.00	.00	.00			.01	.03	.07	.15	.18	.14	.11	.07	.053	22	.24
6	.08	.03	.04	.07	.08	.07	.05	.08	.08	.08	.05	.04	.03	.03			.03	.02	.02	.01	.00	.00	.00		.041	21	.10
7								.03	.02	.02			.00	.00		.00	.01	.02	.02	.02	.08	.09	.08	.05	.031	14	.12
8	.04	.04	.01	.00	.00	.00	.02	.07	.08	.08	.05	.03	.02	.01			.02	.02	.07	.11	.06	.05	.07	.16	.046	22	.24
9*	.21	.05	.06	.08	.07	.02	.06	.06	.06	.04	.02	.01	.00	.00		.00	.00	.00	.04	.12	.17	.18	.11	.04	.060	23	.26
10*	.02	.02	.02	.02	.01	.01	.00	.01	.01	.01	.01	.01	.01	.00		.00	.00	.00	.00	.00	.01	.00	.01	.01	.008	23	.03
11	.00	.00	.00	.00	.00	.00	.00	.01	.02	.01	.01	.01	.00	.00			.00	.00	.00	.00	.00	.00	.00	.01	.004	22	.03
12	.01	.01	.01	.00	.00	.02	.02	.05	.09	.09	.07	.04	.04	.04		.04	.06	.07	.10	.11	.11	.13	.06	.05	.052	23	.16
13	.03	.05	.06	.04	.03	.04	.03	.04	.03	.02	.01	.01	.01	.01			.01	.01	.01	.01	.01	.01	.01	.00	.020	22	.07
14	.00	.00	.00	.00	.00	.00	.01	.04	.04	.02	.01	.00	.00	.00		.01	.01	.02	.02	.06	.10	.09	.11	.05	.025	23	.14
15	.02	.00	.00	.00	.00	.00	.02	.05	.06	.02	.01	.00	.00	.00		.00	.01	.03	.02	.03	.02	.01	.01	.03	.014	23	.08
16*	.04	.05	.03	.02	.01	.00	.00	.04	.05	.02	.01	.02	.02	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.014	23	.07
17*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.01
18	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00		.00	.00	.01	.01	.00	.00	.00	.00	.00	.002	23	.02
19	.00	.00	.00	.00	.00	.00	.01	.06	.04							.01	.00	.02	.03	.03	.03	.04	.04	.06	.019	18	.07
20	.03	.02	.01	.01	.01	.01	.03	.08	.09	.05	.04	.03	.02	.02		.00	.01	.02	.03	.05	.05	.03	.02	.02	.029	23	.10
21	.02	.00	.00	.00	.01	.01	.02	.05	.08	.09	.10	.08	.07	.04		.03	.03	.06	.03	.02	.02	.04	.04	.06	.040	23	.11
22	.05	.07	.08	.11	.06	.03	.07	.10	.10	.09	.05	.03	.01	.01			.01	.02	.00	.00	.00	.00	.00	.00	.039	22	.12
23*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.03	.04	.04	.03			.01	.01	.01	.01	.02	.01	.01	.01	.011	23	.04
24*	.01	.01	.01	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01			.01	.01	.01	.02	.02	.02	.02	.02	.012	23	.03
25	.02	.01	.01	.01	.01	.01	.03	.06		.03	.01	.01	.01	.01		.00	.01	.03	.02	.02	.01	.01	.01	.01	.016	23	.08
26	.01	.00	.00	.00	.00	.01	.03	.05	.06	.04	.04	.01	.01	.01		.01	.01	.01	.02	.01	.01	.01	.01	.01	.015	23	.08
27	.01	.01	.04	.09	.08	.04	.08	.15	.20	.21	.12	.06	.02	.01		.01	.01	.02	.07	.28	.29	.22	.05	.03	.090	23	.42
28	.01	.01	.01	.01	.01	.02	.08	.11	.12	.13	.11	.10	.03	.01			.01	.03	.04	.07	.15	.17	.18	.08	.068	23	.24
29	.21	.12	.06	.09	.07	.04	.08	.14	.22	.15	.03	.01	.01			.01	.02	.04	.06	.08	.02	.02	.02	.01	.068	22	.24
30*	.01	.01	.01	.00	.00	.00	.00	.01	.01	.01	.01	.01	.00	.01		.01	.01	.01	.01	.02	.02	.01	.01	.01	.009	23	.02
31*	.01	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.00		.00	.00	.01	.01	.01	.01	.01	.01	.01	.006	23	.02
MEAN	.03	.02	.02	.02	.02	.01	.03	.05	.06	.04	.03	.02	.01	.01		.01	.01	.02	.02	.04	.05	.05	.03	.03	.027		
NO	29	29	29	29	29	28	28	30	30	30	28	28	30	28		21	31	31	31	31	31	31	31	30		673	
MAX	.21	.12	.08	.11	.08	.07	.08	.15	.22	.21	.12	.10	.07	.04		.04	.06	.07	.10	.28	.29	.22	.18	.16	.090		.42

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-16

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

WASHINGTON, D.C.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
APRIL 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN MAX.
1	.01		.00	.00	.00	.00	.00	.02	.02	.02	.01	.01	.01	.01		.01	.01	.01	.01	.01	.01	.01	.01	.00	.009	22	.03
2	.00	.00	.00	.00	.00	.00	.03	.08	.05	.04	.01	.01	.01			.01	.02	.05	.03	.03	.04	.03	.01	.01	.021	22	.11
3	.01	.00	.01	.02	.01	.02	.03	.05	.06	.05	.03	.03	.02	.02		.02	.03	.06	.04	.02	.02	.02	.02	.03	.026	23	.08
4	.01	.01	.01	.01	.01	.01	.03	.06	.06	.04	.02	.02	.02	.01		.01	.02	.03	.03	.03	.02	.05	.11	.10	.031	23	.16
5	.03	.01	.01	.01	.01	.01	.02	.03	.04	.03			.01	.01		.02	.02	.01	.01	.01	.01	.00	.00	.00	.014	21	.05
6*	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.01	.01	.00		.00	.00	.00	.00	.00	.00	.01	.01	.00	.002	23	.02
7*	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.002	23	.02
8	.00	.00	.00	.00	.00	.00	.01	.04	.05	.02	.02	.04	.02	.03		.11	.11	.08	.03	.03	.02	.01	.01	.02	.028	23	.12
9	.03	.03	.03	.02	.01	.01	.04	.05	.01	.01	.01	.00	.00	.00		.00	.01	.01	.01	.01	.00	.00	.00	.00	.013	23	.09
10	.00	.00	.00	.01	.01	.01	.04	.07	.05	.10	.10	.05	.02	.02			.02	.03	.03	.02	.02	.03	.01	.01	.029	22	.12
11	.01	.01	.01	.01	.01	.03	.02	.04	.04	.03	.03	.02	.02	.01			.01	.02	.02	.04	.07	.13	.14	.35	.048	22	.41
12	.27	.07	.03	.05	.27	.27	.20	.12	.08	.06	.05	.02	.01	.01		.01	.01	.02	.01	.02	.03	.02	.03	.02	.072	23	.43
13*	.03	.02	.01	.01	.02	.01	.03	.05	.07	.06	.10	.06	.01	.01			.00	.00	.01	.02	.06	.05	.07	.11	.036	22	.16
14*	.14	.11	.11	.08	.08	.15	.26	.10	.09	.05	.02	.01	.01	.00		.00			.00	.00	.00	.00	.00	.00	.057	21	.28
15	.00	.00	.00	.00	.00	.00	.01	.02	.04	.06	.06	.03	.03	.01		.01	.01	.01	.01	.01	.01	.01	.01	.01	.016	23	.08
16	.01	.01	.00	.00	.00	.00	.01	.03	.02	.01	.01	.01	.01	.01			.01	.02	.02	.03	.09	.14	.16	.12	.032	22	.16
17	.07			.03	.02	.02	.02	.04	.04			.01	.01	.01		.01	.01	.01	.01	.01	.04	.03	.02	.01	.022	19	.10
18	.01	.01	.00	.01	.00	.00	.02	.05	.04	.03	.01	.01	.01	.00		.00	.01	.01	.01	.03	.05	.05	.05	.05	.019	23	.07
19	.01	.01	.01	.02	.04	.02	.06	.06	.03	.02	.01	.00	.00	.00			.01	.01	.01	.02	.02	.02	.05	.06	.022	22	.09
20*	.03	.01	.01	.01	.00	.00	.01	.02	.01		.01	.00								.00	.00	.00	.01	.00	.006	16	.05
21*	.00	.01	.02			.01	.01						.00	.00		.00	.00	.00	.01	.01	.01	.01	.01	.01	.006	16	.04
22	.01	.00	.00	.00	.01	.02	.03	.03	.03	.02	.02	.02	.02	.02			.01	.01	.02	.02	.01	.01	.02	.01	.015	22	.05
23	.01	.00	.00	.00	.00	.00	.01	.02	.02	.01	.02	.01	.01	.01			.00	.01	.01	.00	.00	.00	.00	.00	.006	22	.03
24	.00	.00	.00	.00	.00	.00	.01	.05	.05	.06	.04	.03	.05	.08			.05	.07	.04	.04	.05	.07	.11		.038	21	.13
25																											
26	.01	.02	.05	.04	.02	.03	.06	.06	.08	.03			.01	.01		.01	.01	.02	.01	.01	.01	.01	.01	.01	.025	21	.09
27*	.01	.00	.00	.00	.00	.00	.01	.03	.04	.05	.04	.03	.04	.04			.02	.02	.04	.05	.04	.07	.14	.16	.037	22	.17
28*	.09	.05	.01	.01	.01	.00	.03	.03	.01	.01	.00	.00	.00	.00		.00	.00	.00	.01	.04	.10	.08	.04	.02	.023	23	.12
29	.03	.02	.02	.03	.02	.06			.04	.02	.02	.01	.02	.02			.04	.02	.03	.03	.02	.02	.01	.01	.024	20	.07
30	.01	.01	.01	.01	.01	.05	.10	.08	.03	.02	.01	.01	.01	.01			.03	.02	.01	.01	.01	.01	.01	.01	.022	22	.12
MEAN	.03	.02	.01	.01	.02	.03	.04	.04	.04	.03	.03	.02	.01	.01		.01	.02	.02	.02	.02	.03	.03	.04	.04	.024		
NO	29	27	28	28	28	29	28	27	28	26	25	26	28	27		17	27	27	28	29	29	29	29	28		627	
MAX	.27	.11	.11	.08	.27	.27	.26	.12	.09	.10	.10	.06	.05	.08		.11	.11	.08	.04	.05	.10	.14	.16	.35	.072		.43

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-17

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

WASHINGTON, D.C.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
MAY 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX.
1	.00	.00	.00	.00	.01	.02	.07	.07	.02	.01	.00	.00	.01	.00			.01	.01	.01	.06	.04	.03	.02	.00	.018	22	.11
2	.00	.00	.00	.00	.00	.03	.06	.04	.02	.01	.01	.00	.00	.00			.01	.01	.01	.05	.07	.02	.01	.02	.017	23	.10
3	.06	.02	.01	.02	.02	.05	.09	.12	.09	.03	.03	.04	.01	.01			.04	.11	.14	.04	.07	.12	.07	.06	.056	22	.16
4*	.03	.03	.08	.02	.01	.02	.03	.02	.02	.02	.03	.02	.02	.01		.01	.01	.01	.02	.04	.06	.02	.01	.02	.024	23	.10
5*	.01	.01	.01	.01	.02	.01	.02	.02	.01	.01	.01	.00	.00	.00		.00	.00	.01	.00	.00	.00	.00	.00	.00	.007	23	.02
6	.00	.00	.00	.00	.00	.01	.03	.04	.02	.01	.02	.01	.00	.00			.01	.01	.01	.01	.03	.03	.02	.01	.012	22	.05
7	.00	.00	.00	.01	.00	.05	.14	.05	.02	.00	.00	.00	.00	.00			.01	.01	.01	.02	.06	.16	.24	.38	.053	22	.43
8	.38	.28	.17	.15	.09	.06	.11	.12	.10	.06	.02	.01	.00	.00			.01	.01	.01	.01	.01	.01	.01	.00	.074	22	.41
9	.00	.00	.01	.00	.00	.01	.04	.06	.02	.01	.02	.01	.01	.00			.02	.02	.01	.02	.02	.01	.01	.01	.014	22	.07
10	.01	.01	.01	.01	.01	.02	.06	.09	.07	.02	.01	.01	.00	.01			.01	.01	.01	.03	.11	.14	.09	.04	.035	22	.20
11*	.03	.03	.03	.02	.03	.02	.04	.05	.05	.06	.05	.02	.01	.00		.00	.00	.00	.00	.00	.00	.00	.01	.03	.021	23	.07
12*	.05	.07	.10	.02	.01	.00	.01	.01	.01	.02	.03	.02	.01	.01		.03	.01	.02	.03	.04	.04	.05	.04	.01	.026	23	.12
13	.01	.00	.00	.00	.01	.03	.06	.05	.02	.01	.01	.02	.01	.01			.01	.00	.01	.00	.01	.01	.01	.01	.013	22	.07
14	.01	.00	.00	.00	.00	.01	.02	.03				.01	.01	.01			.05	.04	.04	.08	.08	.07	.07	.06	.030	19	.10
15	.02	.02	.01	.02	.01	.02	.07	.08	.05	.03	.04	.03	.03	.04			.06	.04	.02	.02	.02	.02	.02	.01	.031	22	.10
16	.01	.01	.00	.00	.01	.03	.07	.10	.06	.05	.03	.03	.03	.02			.04	.03	.02	.05	.09	.12	.08	.13	.046	22	.16
17	.07	.02		.00	.00	.07	.10	.07	.03	.02	.00	.00					.02	.02	.02	.04	.06	.05	.02	.03	.033	19	.13
18*	.02	.04	.04	.05	.03	.02	.05	.07	.06	.04	.02	.02	.01	.00					.00	.00	.01	.04	.03	.01	.027	20	.08
19*	.01	.01	.00	.00	.00	.00	.00	.01	.01	.01	.00	.00	.00	.00		.01	.01	.02	.03	.02	.01	.01	.01	.01	.007	23	.05
20	.00	.00	.00	.00	.00	.01	.04	.03	.02	.01	.01	.01	.00	.01		.02	.02	.02	.01	.01	.02	.02	.03	.03	.014	23	.05
21	.03	.01	.01	.01	.01	.06	.11	.09	.03	.01	.02	.01	.01	.01			.04	.02	.02	.02	.04	.05	.03	.04	.030	22	.12
22	.01	.01	.01	.01	.01	.02	.05	.06	.03	.01	.01	.01	.00	.00		.01	.02	.01	.01	.03	.04	.06	.10	.22	.033	23	.23
23	.16	.06	.04	.01	.01	.02	.08	.10	.06	.04	.04	.03	.05	.05			.08	.04	.03	.02	.02	.04	.03	.03	.046	22	.25
24	.02	.04	.05	.02	.02	.04	.10	.11	.11	.08	.04	.02	.01	.00			.02	.02	.03	.03	.02	.02	.02	.03	.037	22	.13
25*	.03	.02	.01	.01	.01	.02	.03	.02	.01	.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.01	.03	.16	.25	.027	23	.36
26*	.24	.09	.08	.17	.33	.32	.28	.19	.04	.03	.02	.01	.01	.00		.00	.00	.00	.00	.00	.01	.01	.01	.01	.079	23	.37
27	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01		.01	.02	.01	.01	.02	.01	.01	.01	.01	.008	23	.02
28	.01	.00	.00	.00	.00	.00	.01	.05	.03	.02	.03	.02	.02	.02			.04	.05	.06	.09	.07	.05	.04	.04	.029	22	.09
29	.03	.02	.01	.01	.01	.03	.07	.06	.03	.02	.02	.01	.01	.01		.01	.01	.01	.01	.01	.01	.01	.02	.03	.020	23	.09
30	.01	.01	.01	.01	.00	.01	.02	.01	.02	.02	.01	.00	.00	.00			.01	.01	.01	.00	.00	.01	.00	.00	.007	22	.02
31	.00	.00	.00	.00	.00	.02	.06	.06	.01	.01	.01	.01	.01	.00			.02	.01	.01	.02	.02	.03	.02	.04	.015	22	.11
MEAN	.04	.03	.02	.02	.02	.03	.06	.06	.04	.02	.02	.01	.01	.01			.02	.02	.02	.02	.03	.04	.04	.05	.029		
NO	31	31	30	31	31	31	31	31	30	30	30	31	30	30		11	30	30	31	31	31	31	31	31		685	
MAX	.38	.28	.17	.17	.33	.32	.28	.19	.11	.08	.05	.04	.05	.05		.03	.08	.11	.14	.09	.11	.14	.24	.38	.079		.43

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-18

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

WASHINGTON, D.C.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
JUNE 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN MAX.
1*	.04	.05	.04	.03	.02	.04	.04	.02	.01	.01	.01	.01	.01	.00		.00	.01	.01	.01	.01	.01	.01	.01	.01	.017	23	.05
2*	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01		.01	.01	.02	.06	.08	.09	.06	.09	.08	.025	23	.12
3	.03	.04	.03	.02	.02	.06	.14	.18	.12	.06	.02	.01	.01	.01			.03	.02	.01	.02	.05	.07	.11	.08	.050	22	.21
4																											
5		.22	.13	.14	.10	.18	.34	.22	.03	.01		.00	.00	.00		.00	.00	.01	.01	.01	.01	.01	.01	.01	.068	21	.36
6	.01	.01	.01	.01	.01	.04	.07	.07	.03	.02	.01	.01	.00	.00		.00	.00			.01	.01	.01	.01	.01	.016	21	.09
7	.01	.01	.01	.01	.00	.01	.04	.05	.03	.02	.00	.00	.00	.00		.00	.00			.01	.01	.01	.01	.01	.011	21	.07
8*	.01	.01	.00	.00		.00	.02	.02	.02	.01	.00	.02	.01	.00		.00	.00	.00	.02	.00	.02	.04	.03	.02	.012	22	.07
9*	.00	.01	.01	.02	.02	.02	.01	.00	.01	.00	.01	.02	.01	.01		.00	.00	.02	.03	.04	.04	.03	.02	.01	.014	23	.05
10	.02	.01	.02	.05	.06	.09	.09	.05	.02	.02	.01	.01	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.020	23	.10
11	.00	.00	.00	.00	.00	.01	.02	.04	.03	.03	.02	.02	.02	.01			.01	.02	.01	.02	.03	.03	.02	.02	.015	22	.05
12	.01	.01	.00	.00	.00	.02	.04	.06	.04	.03	.02	.02	.02	.02			.01	.02	.04	.04	.02	.02	.02	.04	.023	22	.08
13	.03	.02	.01	.00	.00	.01	.03	.03				.01	.01	.00			.02	.02	.01	.01	.01	.01	.01	.01	.012	19	.04
14	.01	.00	.00	.00	.01	.01	.03	.03	.02	.01	.01	.01	.00			.00	.01	.01	.00	.01	.04	.04	.06	.06	.016	22	.07
15*	.04	.02	.03	.03	.05	.06	.08	.06	.04	.02	.01	.01	.01	.00		.00	.00	.00	.00	.01	.01	.03	.03	.02	.023	23	.09
16*	.03	.03	.03	.02	.01	.02	.02	.02	.01	.01	.00	.00	.00	.00		.00	.00	.01	.02	.01	.01	.02	.02	.01	.012	23	.05
17	.01	.00	.00	.00	.00	.01	.02	.03	.02	.01	.01							.07	.05	.04		.03	.03	.03	.020	17	.08
18						.04	.07	.04		.01	.01	.00	.00	.00		.00	.00	.00	.00	.00	.01		.01	.01	.012	16	.08
19		.00	.00	.00	.00	.01	.03	.05	.04	.03	.01	.00	.01	.01		.01	.01	.01	.01	.01	.01	.02	.03	.01	.013	22	.07
20	.01	.01	.00	.00	.00	.01			.01	.01	.01	.00	.00	.01		.01	.01	.01	.01	.01	.01		.02	.02	.008	20	.03
21	.01	.01	.00	.00	.00	.02	.03	.03	.02	.01	.01	.01	.01	.01		.01	.01	.01	.01	.01	.01	.01	.02	.02	.011	23	.04
22*	.01	.01	.01	.01	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01		.00	.00	.00	.00	.01	.01	.01	.01	.02	.007	23	.02
23*	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.002	22	.02
24	.00	.00	.00	.01	.00	.00	.02	.03	.01	.01	.01	.02	.00	.01			.01	.01	.03	.05			.04	.05	.015	20	.06
25	.05	.03	.03	.04	.06	.15	.17	.08	.02	.01	.01	.01	.01			.01	.01	.01	.01	.01	.01	.01	.01	.01	.034	22	.19
26	.01	.00	.01	.01	.01	.02	.05	.05	.03	.01	.01	.01	.01	.01		.01	.01	.01	.01	.01			.01	.01	.015	21	.06
27	.01	.00	.01	.01	.00	.00	.01	.01	.01			.00	.01	.00				.01	.01	.01	.01	.01	.01	.01	.007	19	.01
28	.00	.00	.00	.01	.01	.02	.05	.05	.03	.01	.01	.01	.01	.01							.03	.04	.06	.05	.021	18	.07
29*	.04	.03	.01	.01			.04	.04	.03		.03		.01	.01		.01	.01	.01	.01	.01			.01		.018	16	.05
30*		.01			.01	.01	.04	.03	.02		.01	.00	.01	.01		.00	.00	.00	.01		.02	.02			.012	16	.04
MEAN	.02	.02	.01	.02	.01	.03	.05	.05	.02	.01	.01	.01	.01	.01		.00	.01	.01	.01	.02	.02	.02	.03	.02	.018		
NO	25	28	27	27	26	28	28	28	27	25	26	27	28	26		20	26	26	26	27	25	24	28	27		605	
MAX	.05	.22	.13	.14	.10	.18	.34	.22	.12	.06	.03	.02	.02	.02		.01	.03	.07	.06	.08	.09	.07	.11	.08	.068		.36

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-19

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

WASHINGTON, D.C.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
JULY 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX.
1	.01		.01	.01	.01	.07	.11	.06		.01	.01	.01	.01	.01		.01	.01	.00	.00	.00	.00	.01	.01	.018	23	.15
2	.01	.01	.01	.01	.01	.04	.06	.08	.05	.02	.01	.01		.00		.00	.00	.02	.03	.02	.03	.03	.02	.03	.023	23	.08
3	.02	.02	.02	.02	.02	.02	.05	.04	.03	.02	.01	.01	.01	.01		.01	.02	.02	.02	.03	.03	.03	.03	.04	.023	23	.06
4	.03	.03	.03	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00		.00	.00	.00	.00	.01	.02	.05	.09	.09	.017	23	.10
5	.05	.04	.04	.03	.09	.07	.09	.05	.02	.01	.00	.00	.00	.00		.00	.00	.00	.00	.00	.01	.02	.03	.02	.021	23	.11
6*	.02	.02	.01	.00	.00	.01	.03	.03	.01	.02	.01	.00	.00	.00		.00	.00	.00	.00	.01	.01	.02	.02	.03	.011	23	.05
7*	.05	.02	.01	.01	.01	.03	.02	.02	.01	.01	.01	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.009	23	.06
8	.00	.00	.00	.01	.00	.02	.04	.06	.03	.02	.01	.01	.01	.01		.01	.01	.01	.00	.01	.00	.01	.01	.01	.012	23	.07
9	.00	.01	.01	.00	.00	.01	.04	.04	.03				.00	.01		.01	.01	.01	.01	.01	.01	.01	.01	.01	.012	20	.05
10	.01	.01	.01	.01	.01	.02	.03	.03	.04	.03	.02	.01	.01			.01	.01	.01	.01	.01	.01	.01	.01	.01	.014	22	.05
11	.03	.02	.01	.01	.01	.02	.04	.04	.04	.02	.01	.01	.01	.01		.01	.01	.01	.01	.01	.01	.01	.01	.01	.016	23	.06
12	.01	.01	.01	.01	.01	.02	.04	.03	.02	.02	.01	.01	.01	.01		.01	.01	.01	.01	.01	.02	.02	.02	.02	.015	23	.05
13*	.02	.02	.02	.02	.01	.02	.03	.02	.01	.03	.12	.09	.04	.02			.02	.01	.01	.01	.01	.01	.01	.01	.025	22	.52
14*	.01	.01	.01	.01	.01	.01	.01	.02	.01	.01	.02	.01	.01	.01		.00	.00	.00	.01	.01	.01	.01	.01	.02	.010	23	.02
15	.03	.04	.03	.04	.08	.07	.10	.08	.03	.01	.00	.00	.00	.00		.00	.00	.00	.00	.00	.02	.02	.01	.01	.024	23	.11
16	.00	.00	.00	.00	.00	.01	.02	.02	.02	.01	.00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.02	.03	.02	.007	23	.04
17	.00	.00	.00	.00	.00	.01	.03	.03	.03	.01	.01	.00	.00	.00		.00	.00	.00	.00	.00	.00	.01	.02	.02	.007	23	.04
18	.01	.01	.01	.01	.01	.06	.09	.06	.04	.00	.00	.00	.00	.00			.00	.00	.00	.00	.01	.00	.00	.00	.014	22	.14
19	.00	.00	.00	.00	.00	.01	.03	.03	.02	.02	.00	.00	.00	.00			.03	.04	.04		.03	.08	.06	.06	.022	21	.09
20*	.03	.02	.00	.00	.00	.01	.03	.02	.01	.03	.01	.00	.00	.00		.00	.00	.00	.00	.00	.01	.06	.14	.25	.026	23	.26
21*	.21	.13	.08	.08	.04	.06	.06	.03	.03	.02	.01	.01	.00	.00		.00	.00	.00	.00	.01	.01	.02	.03	.03	.039	23	.23
22	.02	.01	.01	.01	.01	.02	.06	.06	.03	.02	.01	.01	.01	.00		.01	.01	.01	.01	.01	.01	.01	.01	.01	.016	23	.07
23	.01	.01	.01	.00	.01	.02	.06	.04	.03	.01	.01	.00	.00	.00		.00	.01	.01	.00	.01	.01	.01	.01	.02	.011	23	.09
24	.01	.00	.00	.00	.00	.02	.05	.08	.03	.01	.01	.00	.00	.00		.01	.01	.01	.01	.02	.02	.03	.04	.04	.016	23	.10
25	.03	.04	.05	.05	.05	.07	.11	.06	.02	.01	.01	.00	.01	.01		.01	.01	.01	.01	.01	.01	.01	.01	.02	.026	23	.16
26	.03	.02	.01	.01	.01	.02	.04	.07	.08	.04	.02	.01	.01	.01		.00	.01	.00	.02	.01	.01	.01	.01	.01	.019	23	.08
27*	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.01	.02		.02	.02	.02	.01	.02	.01	.02	.02	.02	.014	23	.03
28*	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01		.01	.01	.01	.01	.01	.01	.02	.03	.03	.012	23	.03
29	.02	.01	.00	.00	.00	.02	.06	.04	.05	.04	.02	.01	.02	.01		.00	.01	.01	.00	.01	.01	.01	.04	.08	.020	23	.08
30	.05	.02	.01	.01	.02	.03	.08	.08	.09	.04	.01	.00	.01	.00		.00	.00	.00	.00	.00	.00	.00	.00	.01	.020	23	.11
31	.00	.00	.00	.00	.02	.03	.04	.04	.02	.00	.00	.00	.00	.01		.01	.01	.01	.01	.01	.01	.02	.02	.02	.011	23	.07
MEAN	.02	.02	.01	.01	.01	.03	.05	.04	.03	.02	.01	.01	.01	.00		.00	.01	.01	.01	.01	.01	.02	.02	.03	.017		
NO	31	30	31	31	31	31	31	31	30	30	30	30	30	30		28	31	31	31	30	31	31	31	31		702	
MAX	.21	.13	.08	.08	.04	.07	.11	.08	.09	.04	.12	.09	.04	.02		.02	.03	.04	.04	.03	.05	.08	.14	.25	.039		.52

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-20

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM

COLORIMETRIC ANALYSIS

WASHINGTON, D.C.

NITRIC OXIDE
AUG. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN MAX
1	.01	.01	.01	.01	.01	.02	.05	.05	.03		.01	.01	.01	.01		.01	.02	.01	.01	.03	.03	.03	.02	.02	.018	22	.07
2	.01	.01	.01	.01	.01	.02	.06	.08	.02	.02	.01	.01	.01	.01		.00	.01	.01	.01	.02	.04	.02	.02	.02	.019	23	.10
3*	.01	.01	.01	.00	.00	.01	.02	.03	.02	.01	.02	.01	.01	.01		.00	.01	.01	.01	.01	.01	.01	.01	.01	.010	23	.04
4*	.01	.01	.01	.00	.00	.01	.02	.02	.02	.01	.01	.00	.00	.01		.01	.01	.01	.02	.03	.05	.03	.04	.05	.015	23	.06
5	.05	.02	.01	.01	.01	.02	.05	.08	.05	.03	.02	.02	.01	.01		.01	.01	.01	.01	.01	.01	.02	.06	.05	.025	23	.11
6	.05	.02	.03	.02	.02	.02	.05	.08	.04	.02	.01	.01	.01	.01		.01	.01	.01	.01	.01	.01	.02	.02	.03	.022	23	.12
7	.02	.01	.01	.01	.01	.01	.03	.07	.05	.01	.01	.01	.01	.01		.01	.02	.03	.02	.04	.04	.03	.02	.01	.021	23	.08
8	.01	.01	.01	.02	.02	.01	.03	.04	.02	.01	.00	.01	.01	.01		.01	.01	.01	.01	.01	.01	.01	.02	.02	.013	23	.04
9	.01	.01	.01	.01	.01	.01	.02	.06	.04	.02	.01	.01	.01	.01		.01	.01	.01	.01	.01	.02	.02	.03	.04	.017	23	.07
10*	.02	.01	.01	.00	.00	.00	.00	.00	.00		.02	.01	.01	.01		.01	.02	.06	.06	.04	.01	.02	.01	.01	.015	22	.09
11*	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00		.00	.00	.00	.00	.00	.02	.02	.04	.16	.015	23	.19
12	.15	.12	.13	.11	.04	.05	.07	.07	.03	.02	.01	.01	.01	.02		.01	.01	.01	.01	.01	.01	.02	.01	.01	.042	23	.16
13	.01	.01	.01	.01	.01	.02	.05	.04	.04	.03	.02	.02	.01	.01		.01	.01	.01	.00	.00	.00	.01	.01	.01	.014	23	.06
14	.00	.00	.00	.00	.00	.02	.06	.09	.08	.04	.02	.02	.01	.01		.01	.01	.02	.03	.07	.06	.07	.04	.03	.030	23	.11
15	.01	.02	.01	.01	.01	.02	.05	.06	.02	.01	.01	.01	.00	.00			.01	.01	.00	.00	.01	.01	.01	.01	.013	22	.06
16	.01	.01	.00	.00	.00	.00	.01	.03	.03	.02	.01	.02	.01	.01		.01	.01	.01	.00	.01	.01	.01	.01	.01	.010	23	.05
17*	.05	.06	.06	.04	.03	.05	.08	.08	.05	.03	.02		.01	.01		.00	.01	.01		.01					.035	17	.09
18*	.02				.00	.00	.01	.01	.01	.01	.01	.01	.01	.01		.01	.01	.01	.01	.01	.01	.01	.01	.01	.009	20	.02
19	.01	.01	.01	.01	.01	.02		.03	.02	.02	.01	.01	.01	.01		.01	.01	.01	.01	.01	.01	.01	.01	.01	.012	22	.03
20	.01	.01	.01	.01	.01	.03	.07	.08	.07	.02	.02	.01	.01	.01		.02	.03	.01	.01	.02	.02	.02	.02	.03	.023	23	.10
21	.02	.02	.02	.01	.02	.04	.05	.04	.02	.01	.01	.01	.01	.01		.01	.01	.01	.01	.01	.02	.02	.03	.02	.018	23	.06
22	.01	.01	.01	.01	.04	.11	.14	.16	.07	.03	.03	.02	.01	.01		.01	.01	.01	.01	.01	.01	.01	.01	.01	.032	23	.21
23	.01	.01	.01	.01	.01	.02	.03	.02	.01	.01	.01	.01	.01	.01		.01	.01	.01	.01	.01	.02	.01	.01	.01	.012	23	.05
24*	.01	.01	.00	.00	.00	.00	.01	.01	.02	.01	.02	.01	.01	.00		.00	.00	.02	.01	.01	.02	.04	.03	.03	.011	23	.05
25*	.02	.02	.01	.01	.01	.01	.02	.02	.02	.01	.01	.00	.00	.00		.00	.00	.00	.00	.01	.01	.05	.10	.07	.017	23	.13
26	.02	.01	.01	.01	.01	.02	.06	.05	.03	.02	.02	.02	.01	.01		.01	.02	.01	.01	.02	.02	.02	.02	.02	.020	23	.07
27	.01	.01	.01	.01	.01	.02	.05	.06	.04	.02	.02	.01	.01	.01		.02	.03	.01	.01	.02	.08	.06	.04	.04	.026	23	.11
28	.02	.02	.01	.01	.01	.03	.06	.07	.06	.03	.02	.01	.01	.01		.01	.01	.01	.01	.01	.02	.07	.18	.16	.036	23	.22
29	.09	.06	.11	.07	.05	.04	.07	.07	.04	.03	.02	.01	.01	.01		.00	.01	.00	.01	.02	.05	.07	.12	.15	.048	23	.21
30	.19	.18	.13	.11	.09	.08	.12	.14	.06	.04	.01	.02	.01	.01		.01	.00	.00	.01	.01	.02	.05	.19	.39	.082	23	.46
31*	.34	.34	.40	.37	.17	.22	.18	.11	.08	.04	.03	.02	.01	.01		.01	.01	.01	.01	.01	.01	.02	.02	.02	.105	23	.46
MEAN	.04	.03	.04	.03	.02	.03	.05	.06	.03	.02	.01	.01	.01	.01		.01	.01	.01	.01	.02	.02	.03	.04	.05	.025		
NO	31	30	30	30	31	31	30	31	31	29	31	30	31	31		30	31	31	30	31	30	30	30	30		700	
MAX	.34	.34	.40	.37	.17	.22	.18	.16	.08	.04	.03	.02	.01	.02		.02	.03	.06	.06	.07	.08	.07	.19	.39	.105		.46

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-21

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

WASHINGTON, D.C.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
SEPT. 1968

DAY OF MONTH	A M												P M												DAILY MEAN	NO OF HRS	5-MIN MAX
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12			
1*	.03	.04	.08	.07	.03	.02	.02	.02	.02	.03	.01	.01	.01	.01		.01	.01	.01	.01	.01	.01	.02	.02	.02	.022	23	.09
2	.02	.02	.02	.02	.02	.06	.12	.14	.03	.02	.01	.01	.01	.01		.01	.01	.01	.01	.01	.01	.03	.03	.09	.030	23	.15
3	.12	.12	.15	.13	.14	.17	.24	.24	.06	.04	.02	.02	.01	.01			.01	.01	.01	.03	.03	.04	.04	.02	.075	22	.28
4	.03	.02	.02	.02	.04	.07	.23	.14	.05	.03	.02	.01	.01	.00		.01	.01	.01	.04	.04	.05	.11	.07	.07	.047	23	.29
5	.12	.07	.07	.12	.21	.17	.15	.12	.08	.04			.02	.01		.01	.01	.01	.00	.00	.00	.00	.00	.00	.058	21	.24
6	.00	.00	.00	.00	.00	.00	.01	.04	.05	.04	.02	.03	.01	.01		.01	.02	.01	.01	.04	.10	.04	.04	.02	.022	23	.16
7*	.02	.01	.01	.01	.01	.02	.05	.04	.02	.01	.01	.01	.01	.00		.00	.00	.00	.00	.01	.03	.09	.10	.20	.028	23	.33
8*	.36	.41	.36	.15	.08	.05	.20	.16	.06	.02	.01	.01	.00	.00		.00	.00	.00	.00	.02	.08	.06	.01	.01	.089	23	.43
9	.01	.01	.00	.07	.18	.21	.23	.15	.06	.02	.01	.00	.00			.01	.00	.00	.00	.00	.00	.00	.00	.01	.044	22	.24
10	.00	.00	.00	.00	.00	.01	.03	.03	.06	.02	.02	.02	.01	.00		.03	.05	.05	.03	.01	.02	.04	.03	.04	.022	23	.06
11	.02	.01	.01	.01	.01	.01	.04	.07	.05	.03	.02	.01	.01	.01		.03	.04	.06	.04	.03	.03	.02	.02	.02	.028	23	.12
12	.01	.01	.01	.01	.01	.03	.06	.07	.04	.03	.01	.01	.01	.02		.01	.02	.01	.02	.03	.04	.04	.05	.04	.025	23	.16
13	.02	.01	.01	.00	.01	.02	.05	.05	.03	.01	.01	.00	.00	.00		.00	.01	.01	.02	.02	.05	.07	.06	.06	.022	23	.09
14*	.07	.04	.01	.01	.01	.02	.04	.05	.03	.01	.01	.01	.00	.00		.00	.00	.00	.01	.07	.08	.11	.13	.22	.040	23	.27
15*	.29	.30	.27	.12	.05	.06	.11	.06	.02	.02	.01	.00	.00	.00		.00	.00	.02	.00	.03	.04	.06	.02	.01	.065	23	.32
16																											
17																											
18																											
19																											
20																											
21*																											
22*																											
23											.02	.01	.00	.00		.01	.01	.01	.02	.04	.05	.03	.01	.02	.017	13	.06
24	.01	.01	.01	.01	.01	.02	.08	.11	.12	.10	.05	.03				.01	.01	.01	.01	.02	.02	.02	.02	.02	.033	21	.13
25	.01	.01	.02	.02	.03	.04	.07	.09	.07	.05	.02	.01				.01	.01	.01	.03	.05	.04	.03	.03	.03	.031	21	.10
26	.02	.03	.02	.02	.02	.03	.05	.07	.05	.04	.01	.00	.00	.00		.01	.01	.03	.05	.07	.06	.05	.04	.03	.031	23	.08
27	.03	.03	.01	.01	.01	.01	.02	.07	.08	.04	.01	.00	.00	.00		.01	.01	.01	.01	.02	.03	.03	.05	.08	.023	23	.10
28*	.09	.07	.06	.04	.03	.02	.03	.04	.03	.03	.02	.01	.01	.01		.01	.01	.01	.01	.03	.03	.03	.04	.06	.032	23	.11
29*	.06	.04	.04	.03	.02	.02	.01	.02	.01	.01	.01	.01	.01	.01		.01	.01	.01	.02	.04	.05	.08	.13	.21	.037	23	.23
30	.21	.15	.12	.08	.07	.08	.20	.20	.18	.14	.05	.01	.01	.01		.02	.02	.03	.04	.05	.04	.04	.05	.03	.077	23	.24
MEAN	.07	.06	.06	.04	.04	.05	.09	.09	.05	.03	.02	.01	.01	.01		.01	.01	.02	.02	.03	.04	.04	.04	.06	.039		
NO	22	22	22	22	22	22	22	22	22	22	22	22	21	20		22	23	23	23	23	23	23	23	23		511	
MAX	.36	.41	.36	.15	.21	.21	.24	.24	.18	.14	.05	.03	.02	.02		.03	.09	.06	.05	.07	.10	.11	.13	.22	.089		.43

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-22

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

WASHINGTON, D.C.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
OCT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN MAX
1	.02	.02	.01	.01	.02	.08	.23	.24	.20	.19	.08	.02	.01	.00		.01	.02	.02	.03	.02	.01	.03	.02	.01	.060	23	.33
2	.01	.01	.01	.01	.01	.03	.09	.13	.09	.04	.04	.02	.01	.01		.01	.02	.01	.01	.02	.04	.01	.01	.01	.029	23	.16
3	.01	.01	.01	.01	.01	.01	.06	.08	.06	.03	.02	.01	.01	.01		.06	.08	.07	.04	.04	.02	.01	.01	.01	.030	23	.09
4	.01	.00	.00	.00	.00	.01	.03	.05	.03	.01	.01	.01	.01	.01		.02	.03	.02	.03	.04	.04	.04	.04	.03	.020	23	.08
5*	.04	.04	.02	.01	.01	.01	.02	.02	.02	.02	.02	.02	.01	.01		.01	.01	.02	.04	.13	.25	.39	.43	.44	.086	23	.48
6*	.46	.48	.46	.44	.43	.43	.39	.32	.20	.08	.03	.01	.01	.00		.00	.00	.01	.02	.02	.02	.03	.03	.01	.168	23	.52
7	.01	.01	.01	.01	.02	.06	.06	.05	.05	.02	.01	.01	.01	.01		.02	.02	.02	.02	.03	.04	.05	.05	.04	.028	23	.08
8	.02	.01	.01	.01	.01	.03	.09	.11	.06	.03	.01	.01	.01	.01		.01	.01	.01	.02	.04	.04	.05	.06	.09	.032	23	.13
9	.06	.04	.02	.01	.01	.02	.05	.08	.07	.04	.03	.01	.01	.01		.01	.01	.01	.02	.02	.02	.01	.01	.01	.025	23	.10
10	.01	.01	.01	.01	.01	.03	.06	.09	.09	.07	.05	.03	.02	.02		.02	.05	.05	.04	.07	.07	.05	.03	.03	.039	23	.10
11	.02	.01	.01	.01	.02	.04	.07	.10	.07	.04	.03	.05	.04	.02		.02	.02	.04	.06	.06	.04	.04	.06	.03	.038	23	.13
12*	.01	.02	.02	.01	.01	.02	.06	.04	.04	.06	.05	.03	.03	.02		.02	.03	.04	.07	.06	.06	.05	.09	.05	.037	23	.12
13*	.05	.07	.08	.06	.03	.03	.03	.09	.08	.09	.07	.06	.01	.01			.01	.02	.02	.03	.05	.06	.04	.03	.045	22	.10
14	.03	.03	.03	.02	.02	.02	.05	.07		.06	.05	.04	.02	.01		.01	.03	.02	.02	.03	.02	.05	.05	.04	.033	22	.08
15	.04	.03	.01	.01	.01	.01	.02	.04	.02	.02	.02	.01	.01	.02		.04	.03	.08	.18	.29	.21	.13	.09	.11	.062	23	.34
16	.12	.11	.11	.08	.03	.04	.08	.13	.14	.10	.08	.05	.03	.01		.01	.03	.04	.06	.08	.10	.11	.09	.09	.073	23	.17
17	.09	.07	.07	.10	.08	.08	.13	.14	.12	.11	.05	.02	.03	.01		.02	.02	.04	.04	.03	.01	.02	.05	.05	.059	23	.16
18	.03	.02	.03	.02	.04	.06	.11	.13	.12	.05	.02	.01				.02	.02	.02	.03	.02	.02	.03	.03	.02	.040	21	.14
19*	.02	.02	.01	.01	.01	.01	.03	.03	.04	.04	.03	.06	.06	.04		.04	.04	.05	.04	.02	.02	.02	.02	.01	.030	23	.09
20*	.01	.01	.01	.01	.00	.00	.01	.01	.02	.01	.01	.01	.01	.00		.00	.01	.02	.03	.03	.03	.03	.03	.03	.014	23	.05
21	.03	.01	.01	.01	.01	.03	.08	.08	.04	.02	.02	.01	.01	.01		.02	.03	.04	.08	.12	.18	.19	.20	.23	.063	23	.28
22	.22	.49	.43	.46	.43	.24	.48	.64	.36	.14	.02	.01	.01	.01		.03	.04	.02	.01	.02	.01	.01	.02	.01	.179	23	.76
23	.01	.00	.00	.00	.00	.02	.12	.17	.10	.04	.01	.01	.00	.00		.01	.02	.02	.05	.07	.08	.08	.09	.08	.044	23	.20
24	.06	.05	.05	.04	.05	.06	.07	.11	.10	.08	.07	.06	.03	.02		.06	.06	.08	.07	.07	.06	.04	.03	.01	.057	23	.14
25	.01	.01	.01	.01	.00	.01	.04	.07	.07	.04	.02	.02	.02	.02		.02	.03	.05	.05	.05	.03	.02	.01	.01	.026	23	.11
26*	.01	.01	.01	.01	.01	.01	.02	.02	.03	.02	.02	.02	.02	.01		.01	.01	.01	.03	.03	.03	.05	.05	.05	.021	23	.07
27*	.03	.02	.01	.01	.00	.01	.01	.03	.04	.03	.01	.01	.01	.01		.01	.01	.02	.02	.03	.04	.02	.02	.01	.017	23	.05
28																											
29																											
30																											
31																											
MEAN	.05	.06	.05	.05	.05	.05	.09	.12	.09	.05	.03	.02	.02	.01		.02	.02	.03	.04	.05	.05	.06	.06	.06	.050		
NO	27	27	27	27	27	27	29	27	26	27	27	27	26	26		26	27	27	27	27	27	27	27	27		617	
MAX	.46	.49	.46	.46	.43	.43	.48	.64	.36	.19	.08	.06	.06	.04		.06	.08	.08	.18	.29	.25	.39	.43	.44	.179		.76

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-23

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

WASHINGTON, D.C.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
NOV. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN MAX
1																											
2*																											
3*																											
4																											
5																											
6																											
7																											
8																											
9*																											
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24*																											
25																											
26																											
27																											
28																											
29																											
30*																											
MEAN																									.000		.00
NO.																											
MAX																											

TABULATED WED., SEP. 10, 1969

* Indicates Saturday or Sunday
Local standard time used

CONTINUOUS AIR MONITORING PROGRAM

Table 3-24

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

WASHINGTON, D.C.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
DEC. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*																											
2																											
3																											
4																											
5																											
6																											
7*																											
8*																											
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14*																											
15*																											
16																											
17																											
18																											
19																											
20																											
21*		.01	.02	.01	.01	.01	.02	.03	.04	.05	.04	.02	.02	.02		.02	.04		.06	.07	.09	.12	.20	.19	.050	21	.23
22*																											
23																											
24																											
25																											
26																											
27																											
28*																											
29*																											
30																											
31																											
MEAN																											
NO		1	1	1	1	1	1	1	1	1	1	1	1	1		1	1		1	1	1	1	1	1		21	
MAX		.01	.02	.01	.01	.01	.02	.03	.04	.05	.04	.02	.02	.02		.02	.04		.06	.07	.09	.12	.20	.19	.050		.23

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-25

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

WASHINGTON, D.C.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
JAN. 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1													.04	.05											.042	14	.05
2	.04	.04	.04	.05	.04	.05	.04	.05	.04	.04	.04	.04	.03	.01			.04	.05	.05	.06	.05	.05	.05	.05	.040	14	.06
3									.03	.03	.03	.03	.03				.04	.05	.05	.05	.04	.04	.04	.04	.040	21	.06
4	.05	.04	.04	.04	.04	.04	.04	.04	.04	.03	.03	.03	.03														
5																											
6*																											
7*			.02	.02	.02	.02	.03	.03	.02	.01	.01	.01	.02	.02			.02	.03	.05	.02	.03				.020	11	.03
8																											
9																											
10																											
11																											
12																											
13*																											
14*																											
15																											
16																											
17		.06	.06	.06	.06	.06	.06	.06	.05	.06	.06	.05	.06			.04	.06	.06	.06	.06	.06	.05	.05	.05	.057	21	.07
18	.05	.05	.05	.05	.06	.05	.07	.07	.06	.08	.10	.10	.12	.11			.08	.09	.09	.08	.09	.10	.11	.09	.079	22	.13
19	.10	.12	.08	.08	.07	.07	.07	.06	.07	.11	.13	.13	.06	.04		.04	.06	.06	.07	.06	.06	.06	.06	.06	.073	23	.14
20*	.06	.05	.05	.05	.05	.05	.05	.05	.06	.07	.06	.04	.03	.03			.04	.05	.05	.05	.06	.07	.06	.05	.051	22	.08
21*	.06		.05	.07	.03	.04	.03	.03	.04	.04	.03						.02	.03	.02	.03	.03	.03	.03	.04	.036	18	.07
22	.04	.04	.04	.03	.03	.04	.04	.04	.06	.07	.08	.06	.05	.04			.03	.05	.05	.04	.04	.04	.03	.04	.043	22	.08
23	.04	.04	.04		.04	.05	.04	.03	.03	.03	.04			.05			.05	.04	.04	.04	.04	.04	.04	.04	.038	19	.05
24	.03	.03	.03	.02	.03	.03		.04		.03	.02	.03	.03	.03			.04	.04	.04	.04	.04	.04	.04	.04	.033	20	.05
25	.04	.03	.03	.02	.02	.02	.03	.03	.02	.03			.03	.03			.04	.04	.04	.05	.05	.05	.05	.04	.034	20	.05
26	.04	.04	.04	.04		.03	.04		.04	.04	.04	.03	.04	.04			.05	.05	.06	.05	.05	.05	.06	.08	.044	20	.09
27*	.08	.07	.06	.09	.05	.05	.07	.08	.06	.07	.14	.11	.06	.11			.07	.07	.07	.07	.07	.06	.06	.05	.073	22	.16
28*	.05	.04	.04	.04	.03	.03	.07	.05	.05	.05	.04	.04	.05	.05			.05	.04	.04	.04	.05	.05	.05	.05	.045	22	.08
29	.04	.05	.05	.04	.04	.04	.04	.04		.04	.05	.05	.06	.05		.06	.08	.08	.08	.09	.08	.08	.07	.07	.058	22	.09
30	.07	.07	.06	.05	.05	.05	.05	.04	.04	.05	.08	.08	.07	.06			.10	.12	.10	.06	.05	.04	.04	.04	.061	22	.13
31	.03	.03	.03	.02	.03	.03	.03	.03	.03	.02	.04	.03	.04	.03			.05	.05	.05	.05	.05	.05	.05	.04	.037	22	.06
MEAN	.05	.05	.04	.04	.04	.04	.05	.04	.04	.05	.06	.05	.05	.05			.05	.06	.05	.05	.05	.05	.05	.05	.049		
NO.	16	16	18	17	17	18	17	17	17	19	18	16	17	16		3	18	18	18	18	18	17	17	17		383	
MAX.	.10	.12	.08	.09	.07	.07	.07	.08	.07	.11	.14	.13	.12	.11		.06	.10	.12	.10	.09	.09	.10	.11	.09	.079		.16

*Indicates Saturday or Sunday.
Local standard time used.

TABULATED WED., SEP. 10, 1969

Table 3-26

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

WASHINGTON, D.C.

NITROGEN DIOXIDE
FEB. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.04	.04	.04	.04	.03	.04	.04	.03	.03	.02			.02	.04			.05	.05	.05	.05	.06	.05	.05	.04	.040	20	.06
2	.04	.04	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03			.05	.05	.04	.04	.03	.03	.03	.03	.034	22	.05
3*	.04	.04	.03	.02	.02	.02	.03	.03	.04	.03	.03	.03	.03	.02			.03	.04	.03	.03	.03	.03	.03	.03	.030	22	.05
4*	.04	.04	.03	.03	.03	.04	.04	.04	.04	.03	.03	.03	.03	.03			.03	.04	.03	.03	.03	.04	.05	.04	.033	22	.06
5	.04	.04	.03	.03	.04	.04	.04	.04		.04	.04	.03	.03	.04			.05	.06	.06	.06	.07	.07	.07	.06	.045	21	.07
6	.07	.06	.05	.04	.04	.05	.05	.06	.05	.04		.04	.05	.05			.06	.06	.07	.07	.08	.07	.08	.11	.059	21	.13
7	.11	.09	.09	.08	.07	.08	.07	.07	.05	.05		.05											.08	.07	.072	13	.12
8	.06	.06	.05	.05	.05	.05	.05	.05	.05	.04	.04	.04	.04	.03			.05	.06	.07	.06	.06	.06	.06	.05	.051	22	.07
9	.06	.06	.06	.05	.04	.03	.04	.05	.04	.04	.04	.04	.04	.04			.05	.05	.05	.05	.05	.05	.04	.03	.044	22	.06
10*	.03	.03	.02	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02			.02	.02	.03	.03	.03	.02	.03	.02	.022	22	.03
11*	.02	.02	.02		.02	.03	.02	.02	.02	.02	.02	.02	.02	.02			.02	.03	.03	.02	.03	.03	.03	.03	.023	21	.04
12	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.03	.03		.03			.05	.05	.05	.05	.05	.05	.04	.04	.037	21	.06
13	.03	.04	.03	.03	.03		.03	.04	.03	.03	.03	.03	.03	.03					.05	.05	.05		.05	.05	.036	18	.05
14	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05	.04	.04			.06	.07	.06	.06	.06	.06	.06	.05	.052	22	.07
15	.06	.06	.06	.06	.06	.06	.06	.06	.05	.07	.07	.07	.06	.06				.05	.05	.05	.05	.05	.05	.04	.057	21	.08
16	.04	.04	.03	.03	.03	.04	.04	.04	.04	.04			.04	.04		.05	.05	.06	.06	.06	.06	.06	.06	.05	.045	21	.07
17*	.05	.05	.05	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.03			.03	.03	.04	.04	.04	.03	.03	.02	.037	22	.06
18*	.03	.02	.02	.03	.03	.02	.03	.03	.04								.03	.03	.04	.05	.04	.04	.04	.04	.032	13	.05
19					.03	.04	.04	.04	.04	.04	.04	.04	.03	.03		.05	.05	.05	.06	.06	.06	.06	.06	.06	.046	14	.07
20	.06	.06	.06	.05	.05	.05	.04	.04	.06	.05	.04	.04	.04	.04			.05	.05	.05	.05	.04	.04	.04	.03	.047	22	.07
21	.03	.03	.03	.03	.03	.03	.03	.04	.03	.03			.03	.03			.05	.05	.05	.05	.05	.05	.04	.04	.038	20	.06
22	.04	.04	.03	.03	.03	.04	.05	.04	.04	.04	.04	.04	.03	.03				.05	.05	.05	.05	.05	.05	.05	.041	21	.06
23	.05	.04	.05	.04	.04	.04	.05	.04	.04	.03	.03	.03	.03	.03			.04	.05	.05	.06	.05	.05	.05	.05	.042	22	.06
24*	.05		.04	.04	.04	.04	.04	.04		.03	.03	.04	.04	.04			.03	.04	.05	.05	.05	.05	.04	.04	.041	20	.05
25*	.04	.03	.03	.02	.02	.02	.02	.02		.02	.02	.03	.03	.03			.03							.04	.026	15	.04
26	.04	.04	.04	.04	.03	.04	.04	.04	.05	.04	.03	.03	.03	.03			.05	.05	.06	.06	.06	.07	.08	.08	.046	22	.09
27	.07	.07	.06	.06	.05	.04	.04	.04	.05	.06	.06	.05	.05	.04			.06	.06	.07	.07	.08	.07	.08	.09	.060	22	.09
28	.09	.08	.08	.07	.07	.07	.07	.07	.06	.07	.06	.05	.06	.06			.07	.07	.08	.08	.07	.07	.07	.07	.069	22	.09
29	.07	.08	.06	.06	.04	.04	.05	.05	.04	.04	.05	.06	.07	.08			.07	.06	.06	.06	.06	.03	.04	.03	.055	22	.08
MEAN	.05	.05	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04			.04	.05	.05	.05	.05	.05	.05	.05	.043		
NO	28	27	28	27	29	28	29	29	26	28	23	25	26	27		2	25	26	27	27	27	26	28	29		597	
MAX	.11	.09	.09	.08	.07	.08	.07	.07	.06	.07	.07	.07	.07	.08		.05	.07	.07	.08	.08	.08	.07	.08	.11	.072		.13

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-27

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

WASHINGTON, D.C.

NITROGEN DIOXIDE
MARCH 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	8-HR. MAX.
1	.03	.03	.02	.03	.03	.03	.03	.03	.03	.03			.04	.03		.05	.05	.05	.05	.05	.05	.05	.05	.05	.038	20	.06
2*	.05	.04	.05	.05	.04	.04	.04	.04	.04	.04	.03	.03	.04	.04			.04	.04		.03	.03	.02	.02	.02	.036	21	.05
3*	.02	.02	.02	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02	.02			.02	.03	.03	.03	.03	.03	.03	.03	.022	23	.04
4	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04		.04	.05	.05	.05	.06	.06	.06	.06	.06	.040	23	.07
5	.06	.05	.05	.05	.05	.05	.05	.05	.05	.04	.04	.04	.04	.04		.04	.04	.06	.08	.09	.09	.09	.08	.07	.055	23	.09
6	.07	.07	.07	.07	.07	.06	.06	.06	.05	.05	.05	.06	.01	.01		.07	.07	.07	.06	.06	.06	.05	.05	.05	.066	23	.08
7	.05	.05	.05	.04	.04	.05	.06	.06	.06	.06			.05	.05		.05	.07	.07	.07	.08	.08	.07	.07	.07	.059	23	.08
8	.07	.06	.06	.05	.05	.05	.05	.04	.04	.05	.05	.05	.06	.05				.07	.08	.08	.07	.07	.07	.07	.060	23	.08
9*	.07	.06	.06	.06	.06	.09	.06	.06	.06	.05	.05	.06	.06	.05			.01	.01		.02	.03	.05	.06	.06	.049	23	.08
10*																											
11																											
12																											
13		.05	.05	.05	.04	.05	.04	.03	.03	.02	.03	.02	.03	.03		.04	.05	.05	.05	.05	.05	.05	.05	.05	.041	22	.06
14	.05	.04	.04	.04	.05	.05	.05	.05	.05	.02	.00	.00	.01	.01		.04	.04	.06	.07	.08	.07	.07	.07	.06	.044	23	.08
15	.05	.05	.05	.04	.04	.04	.05	.05	.05	.04	.03	.04	.03	.04			.06	.07	.06	.06	.06	.05	.05	.05	.048	22	.07
16*	.04	.04	.04	.04	.03	.03	.02	.03	.03	.03	.03	.03	.04	.03		.03	.04	.04	.04	.04	.04	.04	.03	.04	.033	23	.05
17*	.03	.03	.03	.03	.03	.03	.03	.03	.02	.02	.03	.03	.02	.02			.02	.02	.02	.03	.03	.02	.02	.03	.025	22	.04
18	.02	.03	.03	.02	.03	.03	.03	.03	.03	.03	.02	.02	.03	.03			.05	.05	.05	.04	.04	.03	.03	.02	.030	22	.05
19	.03	.03	.02	.02	.02	.02	.02	.02	.02							.07	.08	.11	.12	.12	.12	.12	.12	.12	.066	18	.13
20	.11	.10	.09	.09	.10	.09	.09	.09	.07	.09	.09	.06	.09	.10			.07	.08	.07	.07	.07	.06	.06	.06	.081	22	.12
21	.05	.04	.04	.04	.04	.04	.04	.04	.04	.04	.08	.11	.12	.10		.15									.064	15	.16
22									.07	.08	.08	.08	.08	.07			.06	.06	.04	.04	.04	.03	.03	.03	.057	14	.09
23*	.03	.03	.03	.03	.02	.02	.03	.03	.03	.03	.03	.04	.04	.02											.027	14	.05
24*																											
25																											
26									.05	.06	.07	.06	.06	.05			.07	.08	.08	.09	.07	.07	.07	.07	.067	14	.10
27	.07	.07	.07	.08	.07	.06	.06	.05	.06	.10	.13	.12	.09	.06			.05	.06	.08	.10	.10	.09	.08	.07	.077	22	.14
28	.06	.06	.05	.06	.06	.07	.07	.07	.06	.08	.11	.11	.08	.03			.05	.07	.07	.08	.07	.07	.07	.06	.067	22	.12
29	.06	.07	.06	.07	.06	.06	.06	.06	.08	.12	.06	.03	.04				.06	.07	.06	.06	.05	.05	.05	.04	.060	21	.11
30*	.03	.02	.02	.02	.03	.03	.02	.02	.02	.01	.02	.01	.00	.01			.03	.04	.04	.06	.06	.05	.04	.05	.028	22	.06
31*	.04	.03	.03	.03	.03	.03	.03	.03	.02	.03	.03	.02	.02	.02			.02	.03	.03	.05	.05	.05	.03	.03	.030	22	.05
MEAN	.05	.05	.04	.04	.04	.04	.04	.04	.04	.05	.05	.05	.05	.04			.05	.05	.06	.06	.06	.06	.05	.05	.048		
NO.	23	24	24	24	24	24	24	24	26	25	23	23	24	24		10	23	24	22	24	24	24	24	24		535	
MAX.	.11	.10	.09	.09	.10	.09	.09	.09	.08	.12	.13	.12	.12	.10		.15	.08	.11	.12	.12	.12	.12	.12	.12	.081		.16

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-28

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

WASHINGTON, D.C.

NITROGEN DIOXIDE
APRIL 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX.
1	.04		.02	.02	.03	.03	.04	.04	.03	.02	.02	.01	.03	.02			.04	.06		.05	.05	.05	.05	.04	.033	20	.06
2	.03	.04	.04						.04	.03	.04	.03	.05	.03			.05	.05	.05	.04	.05	.05	.05	.05	.041	17	.06
3	.05	.03	.04	.05	.05				.04	.04	.04	.03	.04	.03		.04	.05	.06	.05	.05	.05	.06	.06	.05	.045	20	.06
4	.05	.05	.04	.04	.04	.04	.04	.04	.03	.03	.02	.02	.03	.03			.04	.05	.04	.04	.03	.05	.06	.05	.038	22	.06
5	.04	.03	.03	.02	.02	.03	.03	.03	.03	.03			.01	.01		.02	.03	.03	.02	.03	.02	.02	.02	.01	.024	21	.05
6*	.02	.03	.02	.02	.01	.02	.03	.03	.03	.03	.02	.03	.03	.02			.03	.03	.03	.05	.06	.06	.05	.04	.031	22	.06
7*	.04	.03	.04	.04	.03	.04	.03	.04	.04	.03	.02	.02	.02	.02				.02			.04	.04	.04	.03	.031	19	.05
8	.03	.03	.03	.02	.03					.03	.03	.04	.02	.03		.05	.06	.06	.04	.05	.05	.04	.03	.02	.036	19	.06
9	.02										.02	.02	.02	.02			.03	.04	.04	.04	.04	.03	.03	.03	.029	13	.05
10	.03	.03	.04	.04	.04	.04	.05	.05	.05	.07	.07	.07	.07	.06			.06	.07	.06	.06	.06	.06	.05	.05	.052	22	.09
11	.04	.04	.04	.03	.03	.04			.03	.03	.04	.03	.04	.03			.04	.05	.04	.05	.05	.06	.05	.06	.040	20	.06
12	.06	.05	.05	.05					.06	.08	.09	.06	.07	.05			.04	.06	.06	.06	.07	.07	.06	.06	.061	18	.12
13*	.07	.06	.05	.05	.06	.05	.05	.04	.05	.09	.07	.06	.02	.02			.01	.03	.05	.05	.06	.06	.06	.06	.049	22	.09
14*	.06	.05	.05	.05	.04	.05	.06	.06	.08	.12	.11	.04	.03	.03		.02	.03	.03	.03	.04	.03		.03	.03	.049	21	.12
15	.03	.03									.05	.05	.04	.03		.03	.04	.04	.04	.03	.05	.04	.04	.04	.037	15	.05
16	.04	.02	.02	.02	.02	.02	.02	.03	.02	.02	.02	.02	.02	.02			.03	.04	.05	.05	.06	.06	.05	.05	.031	22	.07
17	.05	.04	.04	.04	.03	.04	.03	.04	.03	.03	.03	.03	.02	.02			.04	.05	.05	.05	.07	.07	.05	.02	.039	22	.07
18	.03	.04	.02	.02	.02	.02	.02	.04	.04	.04	.03	.03	.04	.04			.04	.04	.04	.06	.07	.07	.06	.06	.039	22	.07
19	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.02	.01	.00			.03	.04	.05	.07	.07	.05	.07	.07	.042	22	.09
20*	.07	.04	.04	.04	.02	.02	.02	.03	.02	.02	.00	.02	.01	.01			.03	.05	.05	.05	.04	.04	.03	.03	.030	22	.07
21*	.04	.05	.05	.03	.03	.05	.03	.03	.02	.01	.02	.01	.01	.02			.03	.02			.03				.027	17	.06
22									.01	.02	.03	.03	.03	.03			.03	.02	.03	.03	.03	.03	.04	.02	.026	14	.04
23	.03	.02	.02	.02	.01	.02	.03	.03	.01	.01		.03	.02	.03			.04	.05	.04	.03	.04	.04	.03	.03	.026	21	.05
24	.02	.01	.01	.02	.01	.02	.02		.03	.02	.02	.02	.03	.03			.05	.05	.03	.04	.04	.04	.05	.03	.028	21	.06
25	.03	.02	.02	.02	.02	.02	.03	.04	.03				.03	.04			.04	.04	.03	.03	.04	.06	.06	.04	.034	19	.06
26	.04	.04	.05	.04	.04	.04	.03	.04	.03				.03	.03			.03	.04	.03	.02	.02	.03	.04	.03	.034	19	.05
27*	.02	.03	.03	.03	.01	.01	.02	.02	.03	.03	.03	.03	.03	.02			.02	.03	.05	.04	.05	.08	.06	.06	.034	22	.09
28*	.06	.07	.08	.08	.07	.07		.03	.02	.03	.03	.02	.03	.03			.03	.04	.03	.04	.08	.08	.06	.03	.047	21	.08
29	.03	.03	.03	.03	.03	.02		.03	.02	.02	.00	.01	.00	.02			.04	.05	.04	.03	.04	.03	.02	.02	.025	21	.05
30	.01	.00	.01	.03	.03	.05	.02	.02	.03	.02	.02	.02	.02	.01			.03	.03	.02	.03	.04	.04	.04	.02	.023	22	.05
MEAN	.04	.03	.03	.03	.03	.03	.03	.03	.03	.04	.03	.03	.03	.03			.04	.04	.04	.04	.05	.05	.05	.04	.036		
NO	29	27	27	26	25	23	20	21	27	26	26	27	30	30		5	29	30	27	28	30	28	28	29		598	
MAX	.07	.07	.08	.08	.07	.07	.06	.06	.08	.12	.11	.07	.07	.06		.05	.06	.07	.06	.07	.08	.08	.07	.07	.061		.12

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-29

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

WASHINGTON, D.C.

NITROGEN DIOXIDE
MAY 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX
1	.02	.01	.01	.01	.01	.02	.02	.02	.01	.01	.01	.02	.01	.01			.03	.03	.03	.04	.05	.06	.06	.02	.022	22	.07
2	.03	.01	.01	.01	.02	.03	.03	.04	.03	.01	.01	.03	.03	.03			.03	.03	.04	.04	.04	.05	.05	.04	.028	24	.06
3	.03	.05	.05	.05	.05	.03	.03	.03	.04	.05	.04	.05	.03	.03			.04	.05	.03	.04	.05	.04	.04	.03	.040	22	.06
4*	.03	.04	.05	.03	.01	.03	.03	.03	.03	.02	.02	.02	.02	.03			.02	.02	.03	.03	.03	.03	.02	.02	.026	22	.05
5*																											
6							.02				.00	.00	.00	.00		.01	.02	.01	.01	.02	.03	.02	.02	.02	.013	14	.03
7	.03	.03	.02	.04	.04	.03	.02	.01	.02	.03	.04	.03	.02	.03			.03	.03	.03	.04	.04	.04	.04	.05	.030	22	.05
8	.05	.04	.04	.04	.03	.03	.03	.02	.01	.01	.00	.00				.08	.09	.10	.09	.10	.10	.10	.10	.08	.055	21	.11
9	.09	.09	.09	.10				.04	.04	.05	.05	.05	.05	.04		.03	.04	.03	.03	.03	.04	.04	.04	.03	.049	20	.11
10	.03	.04	.04	.04	.04	.03	.03	.04	.04	.03	.01	.02	.02	.02			.01	.02	.02	.03	.04	.04	.04	.03	.030	22	.05
11*	.04	.04	.04	.03	.04	.03	.03	.03	.03	.03	.04	.04	.03	.02		.01	.01	.02	.02	.01	.02	.01	.02	.02	.027	22	.05
12*	.02									.00	.00	.01	.00	.01			.02	.02	.02	.02	.03	.03	.04	.02	.016	15	.05
13																											
14																											
15									.05	.06	.06	.06	.05	.05		.02	.03	.03	.03	.02	.03	.05	.04	.02	.040	15	.07
16	.02	.02	.02	.03	.02	.02	.01	.01	.02	.01	.01	.03	.02	.01	.02	.04	.06	.06	.05	.05	.05	.05	.06	.04	.030	24	.07
17	.05	.05	.05	.06	.06	.05	.04	.05	.02	.04	.02	.04	.04	.03		.06	.05	.06	.05	.05	.07	.07	.07		.049	22	.08
18*	.07	.08	.07	.06	.04	.05		.05			.05	.05	.05	.05			.03	.04	.04	.05	.07	.08		.06	.055	18	.09
19*	.06	.06	.06	.04	.04	.05	.06	.06	.04	.04	.04	.04	.04				.07		.09			.07	.05	.06	.053	16	.10
20		.04	.04	.04	.04	.05	.06	.06	.06		.03	.03					.04	.04	.04	.04	.05	.06	.06	.06	.047	18	.07
21	.06	.04	.03	.03	.04	.06	.06	.07	.05		.05	.04	.04	.05			.09	.06	.05	.06	.08	.08	.07	.07	.056	21	.10
22	.05	.05	.04	.04	.04	.05	.06	.06	.06	.04	.04	.03	.03	.03			.06	.05	.05	.08	.09	.09	.09	.09	.054	22	.09
23	.09	.08	.08	.07	.04	.06	.07	.08	.07	.07	.07	.07	.07	.08			.07	.08	.08	.07	.07	.07	.07	.07	.071	22	.09
24	.06	.06	.06	.06	.05	.05	.05	.04	.05	.08	.07	.06	.05	.04			.06	.07	.07	.08	.07	.07	.07	.07	.060	22	.08
25*	.06	.05	.04	.04	.04	.04	.05	.05	.03	.03	.03	.03	.02	.02		.02	.02	.02	.03	.06	.09	.11	.11	.11	.048	23	.11
26*	.11	.09	.08	.08	.07	.07	.10	.12	.08	.06	.04	.03	.03	.02			.03	.04	.04	.04	.06	.07	.05	.05	.060	22	.14
27	.03	.01	.01	.01	.01	.02	.04	.04	.04	.04	.04	.03	.03	.03			.04	.04	.04	.05	.04	.04	.04	.04	.032	22	.05
28	.04	.04	.03	.02	.03	.03	.04	.04	.05	.04	.05	.05	.05	.05			.06	.06	.06	.06	.05	.05	.04	.04	.045	22	.06
29	.04	.04	.03	.03	.03	.03	.04	.04	.04	.04	.04	.04	.04	.04			.06	.05	.05	.05	.06	.06	.07	.07	.045	22	.08
30	.04	.04	.03	.02	.02	.03	.05	.04	.04	.05			.03	.02			.05	.04	.05		.04	.05			.036	17	.05
31		.02	.02	.02	.04	.05	.06		.04	.03	.03	.04	.03	.03			.04	.04	.03	.05	.05	.06	.05	.06	.039	20	.06
MEAN	.05	.04	.04	.04	.04	.04	.04	.04	.04	.04	.03	.03	.03	.03	1	8	.04	.04	.04	.05	.05	.06	.05	.05	.042	574	
NO	24	29	25	25	24	24	24	24	25	24	27	27	26	25	.02	.08	.09	.10	28	26	27	28	26	26	.071		.14
MAX	.11	.09	.09	.10	.07	.07	.10	.12	.08	.08	.07	.07	.07	.08					.09	.10	.10	.11	.11	.11			

TABULATED WED., SEP. 10, 1969

* Indicates Saturday or Sunday
Local standard time used

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-30

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

WASHINGTON, D.C.

NITROGEN DIOXIDE
JUNE 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5 MIN. MAX.
1*	.06	.05	.05	.05	.05	.05	.05			.03	.03	.03	.03	.02			.04	.05	.05	.06	.05	.05	.04	.04	.044	20	.07
2*	.04	.03	.03	.02	.02	.02	.04	.04	.04	.04	.04	.03	.03	.04			.05	.06	.07	.08	.08	.06	.06	.06	.043	22	.08
3	.05	.05	.05	.04	.04	.04	.05	.07	.11	.12	.07	.04	.03	.03			.07	.07	.05	.07	.08	.07	.06	.05	.059	22	.12
4																											
5	.07	.07	.06	.05	.05	.07	.12	.19	.10	.06	.05	.03	.04	.05			.08	.08	.07	.07	.07	.07	.08	.08	.073	22	.21
6	.08	.07	.06	.05	.06	.05	.07	.08	.11	.08	.07	.03	.03	.03			.05	.05	.05	.07	.07	.05	.05	.05	.058	22	.11
7	.04	.03	.02	.02	.03	.04	.05	.07	.08	.08	.07	.07	.05	.04		.04	.06	.04	.06	.06	.07	.07	.06	.05	.051	23	.08
8*	.05	.04	.03	.02	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04			.03	.03	.05	.04	.05	.06	.06	.05	.036	22	.06
9*	.05	.05	.04	.05	.04	.04	.04	.03	.04	.03	.03	.05	.03	.03			.03				.07	.07	.05	.05	.042	19	.08
10	.05			.05	.05	.05	.05	.06	.04	.05	.04	.04	.03	.03			.04	.03	.03				.03	.03	.041	17	.06
11	.03	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03	.03			.04	.05	.04	.04	.04		.03	.02	.028	21	.05
12	.02	.02	.02	.00	.01	.02	.03	.03	.03	.03	.03	.03	.03	.04			.04	.06	.07	.07	.05	.05	.07	.07	.037	22	.07
13	.07	.06	.03	.03	.03	.03	.04	.03					.02	.03			.02	.03	.03	.03	.03	.02	.03	.03	.033	16	.07
14	.02	.03	.02	.02	.03	.02	.03	.03	.03	.03	.03	.03	.03	.03			.05	.03	.04	.06	.09	.07	.08	.06	.039	22	.09
15*	.06	.05	.05	.05	.05	.05	.05	.06	.08	.07	.04	.03	.03	.03		.05	.05	.05	.05	.07	.08	.08	.08	.07	.056	23	.09
16*	.08	.07	.08	.07	.06	.06	.05	.05	.05	.05		.02	.03	.03			.03	.05	.08	.08	.08	.08	.08		.057	20	.09
17		.03	.01	.01	.02	.02	.03	.04	.04	.03	.03	.03	.04	.05			.05	.06	.06	.06	.05	.05	.05	.05	.038	21	.06
18	.04	.04	.04	.03	.03	.03	.04	.05	.04	.03	.03	.03	.02	.02			.04	.03	.03	.03	.05	.07	.06	.05	.037	22	.07
19	.05		.03	.02	.04	.05	.05	.05	.05	.05	.04	.04	.05	.04			.03	.03	.03	.04	.04	.05	.05	.04	.040	21	.06
20	.03	.03	.03	.03	.02	.03	.04	.03	.03	.03	.02						.03	.03	.03	.03	.05	.05	.05	.05	.033	19	.05
21	.04	.03	.03	.03	.03	.03	.03	.03	.04	.03	.04	.03	.03	.03				.05	.05	.05	.06	.06	.06	.06	.039	21	.07
22*	.05	.04	.03	.03	.02	.03	.04	.04	.04	.04	.04	.05	.06	.05			.05	.04	.04	.06	.07	.07		.07	.046	21	.08
23*	.05		.06	.06	.04	.03	.04	.03	.03					.03				.02	.02	.05	.06	.06	.05	.05	.043	16	.07
24	.07	.05	.05	.06	.06	.06	.08	.10	.09	.09	.09	.09	.06	.05			.08	.07	.06	.05	.08	.07	.07	.06	.069	22	.11
25	.06	.06	.05	.05	.05	.06	.08	.10	.08	.05	.03	.04	.03				.06	.06	.05	.05	.05	.06	.04	.04	.054	21	.10
26	.02		.03	.03	.03	.04	.04	.05	.05	.03	.03	.03	.03	.03			.04	.04	.03	.04	.07	.06	.04	.04	.037	21	.08
27	.02	.02	.03			.02	.03	.03	.03			.01	.03	.03			.03	.03	.03	.03	.03	.03	.03	.03	.027	18	.04
28	.02	.02	.03	.03	.03	.03	.03	.04	.04	.03	.03	.03	.03	.03			.03	.04	.03	.04	.05	.05	.05	.06	.034	22	.05
29*	.03	.03	.03	.02	.03	.03	.04	.04	.04	.04	.05	.05	.05	.04			.03	.05	.05	.05	.08	.06	.05	.05	.042	22	.08
30*	.05	.03	.04	.06	.05	.04	.05	.06	.08	.07	.04	.03	.03	.03			.03	.03	.05	.07	.08	.07	.05	.05	.049	22	.09
MEAN	.05	.04	.04	.04	.04	.04	.05	.05	.05	.05	.04	.04	.03	.03			.04	.04	.05	.05	.06	.06	.05	.05	.045		
NO	28	29	28	28	28	29	29	28	27	26	25	26	27	27		2	27	28	28	27	28	27	28	28		604	
MAX	.08	.07	.08	.07	.06	.07	.12	.19	.11	.12	.09	.09	.06	.05		.05	.08	.08	.08	.08	.09	.08	.08	.08	.073		.21

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-31

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

WASHINGTON, D.C.

CONCENTRATION IN PPM

COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
JULY 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN MAX
1	.04		.03	.04	.04	.05	.07	.11	.10	.05	.05	.04	.05	.05			.06	.05	.05	.05	.07	.07	.06	.05	.053	24	.14
2	.06	.05	.05	.05	.05	.05	.06	.11	.10	.01	.05	.04	.03	.03			.06	.07	.08	.01	.01	.01	.05	.06	.065	24	.22
3	.04	.04	.04	.02	.02	.03	.05	.06	.08	.08	.07	.06	.05	.05			.07	.09	.11	.12	.11	.10	.09	.09	.066	23	.12
4	.09	.07	.08	.07	.06	.06	.05	.04	.04	.03	.04	.03	.03	.03			.03	.03	.03	.05	.09	.11	.11	.11	.058	23	.11
5	.10	.09	.08	.08	.07	.07	.09	.12	.11	.08	.05	.04	.04	.03			.06	.07	.06	.08					.073	18	.13
6*									.08	.09	.06	.05	.04	.06			.04	.04	.06	.09	.09	.14	.14	.14	.080	14	.15
7*																											
8																											
9	.09	.12	.08	.09	.03	.09	.16	.19	.21				.02	.03		.04	.05	.04	.03	.04	.05	.06	.06	.05	.075	20	.21
10	.05	.05	.04	.03	.03	.04	.05	.05	.06	.05	.04	.03				.04	.03	.03	.03	.05	.04	.06	.06	.05	.043	21	.07
11	.08	.08	.03	.03	.02	.04	.04	.05	.05	.04	.03	.04	.04	.03			.03	.03	.03	.03	.04	.06	.05	.05	.041	22	.10
12	.03	.02	.02	.03	.04	.04	.05	.05	.04	.04	.04	.03	.03	.04			.04	.04	.04	.04	.06	.05	.05	.05	.040	22	.06
13*	.04	.04	.04	.04	.03	.03	.03	.03	.03	.04	.08	.10	.09	.07			.05	.04	.04	.05	.05	.05	.04	.04	.048	22	.11
14*	.03	.03	.03	.03	.03	.02	.03	.03	.02	.03	.04	.04	.05	.04		.03	.03	.02	.04	.04	.05	.06	.06	.07	.036	23	.07
15	.07	.06	.06	.06	.06	.06	.07	.10	.08	.06	.05	.04	.03	.03		.04	.07	.07	.07	.08	.11	.09	.07	.07	.064	23	.11
16	.07	.07	.04	.03	.02	.04	.05	.06	.06	.05	.04	.03	.02	.02		.03	.04	.03	.03	.03	.05	.07	.07	.06	.043	23	.08
17	.04	.03	.03	.03	.04	.05	.05	.06	.07	.05	.05	.03	.03	.03		.03	.07	.05	.07	.09	.10	.08	.10	.08	.053	23	.12
18	.07	.06	.04	.05	.05	.05	.08	.11	.16	.08	.05	.06	.03	.03		.03	.03	.03	.04	.04	.03	.03	.03	.03	.052	23	.09
19	.04	.04	.03	.03	.05	.04	.05	.06	.06	.05	.05	.06	.04	.04			.07	.07	.08	.08	.07	.06	.05	.05	.052	22	.08
20*	.04	.03	.03	.03	.03	.03	.04	.03	.03	.03	.03	.03	.03	.03			.03	.03	.04	.05	.06	.08	.07	.07	.038	22	.08
21*	.07	.06	.05	.05	.05	.05	.05	.06	.05	.06	.03	.03	.03	.02			.03	.04	.04	.05	.06	.09	.09	.08	.051	22	.09
22	.08	.07	.04	.04	.04	.06	.07	.08	.07	.06	.05	.07	.06	.04			.08	.05	.04	.04	.06	.06	.05	.04	.055	22	.09
23	.09	.02	.02	.02	.02	.04	.06		.07	.05	.04	.02	.03	.02			.05	.06	.05	.07	.07	.08	.08	.09	.043	21	.09
24	.06	.04	.03	.04	.04	.05	.06	.09	.11	.09	.06	.04	.04	.05			.06	.06	.07	.08	.08	.08	.08	.07	.062	22	.12
25	.07	.07	.07	.07	.06	.06	.06	.08	.07	.06	.04	.03	.04	.04		.05	.05	.05	.04	.04	.04	.04	.05	.05	.053	23	.09
26	.05	.05	.03	.02	.02	.03	.04	.05	.06	.05	.04	.03	.04	.03			.03	.03	.06	.05	.05	.06	.06	.05	.042	22	.08
27*	.05	.03	.03	.03	.03	.04	.04	.04	.03	.03	.03	.03	.03	.04			.04	.04	.03	.05	.04	.04	.04	.04	.035	22	.06
28*									.07	.05	.04	.03	.04	.04		.03	.04	.04	.03	.06	.08	.08	.09	.11	.055	15	.11
29																	.05	.05	.05	.06	.05	.06	.06	.08	.060	22	.10
30	.09	.08	.06	.06	.06	.06	.07	.07	.09	.09	.06	.03	.04	.04													
31	.08	.07	.07	.06	.10	.12	.13	.15	.12	.05	.04	.06	.05	.06		.05	.06	.06	.05	.06	.06	.06	.06	.06	.072	23	.15
MEAN	.06	.05	.04	.04	.04	.05	.06	.07	.08	.06	.05	.04	.04	.04		.03	.04	.03	.03	.03	.05	.07	.07	.06	.043	23	.08
NO.	26	29	26	26	26	26	26	25	28	27	27	27	27	27		10	28	28	28	28	27	27	27	27	.053	23	.12
MAX	.10	.12	.08	.09	.10	.12	.16	.19	.21	.09	.08	.10	.09	.07		.05	.08	.09	.11	.12	.11	.14	.14	.14	.080	599	.22

TABULATED WED., SEP. 10, 1969

* Indicates Saturday or Sunday
Local standard time used

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-32

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

WASHINGTON,D.C.

NITROGEN DIOXIDE
AUG. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN. MAX
1	.05	.05	.04	.04	.03	.05	.07	.09	.08			.04	.04	.03			.05	.05	.04	.05	.05	.05	.04	.03	.047	20	.09
2	.03	.02	.02	.02	.01	.02	.03	.04	.04	.04	.04	.04	.05	.05			.06	.06	.06	.07	.06	.04	.04	.04	.041	22	.08
3*	.03	.03	.02	.01	.02	.02	.03	.03	.03	.04	.05	.05	.05	.03			.04	.03	.03	.05	.04	.03	.04	.04	.033	22	.06
4*	.04	.03	.02	.02	.02	.03	.03	.03	.04	.04	.04	.03	.03	.03			.05	.05	.05	.06	.06	.05	.05	.05	.038	22	.07
5	.05	.04	.04	.03	.03	.03	.04	.06	.08	.07	.08	.09	.06	.08		.05	.06	.04	.05	.07	.09	.10	.11	.11	.063	23	.12
6	.09	.07	.06	.06	.04	.05	.06	.07	.07	.05	.04	.04	.03	.03		.04	.06	.05	.04	.05	.05	.06	.06	.06	.053	23	.10
7	.05	.03	.02	.03	.01	.03	.06	.07	.07	.04	.04	.03	.03	.03		.04	.07	.08	.06	.08	.08	.07	.05	.05	.048	23	.09
8	.04	.02	.02	.03	.04	.03	.04	.05	.05	.04	.02	.03	.03	.04		.04	.04	.04	.04	.05	.08	.07	.08	.07	.042	23	.09
9	.05	.03	.02	.02	.02	.03	.03	.07	.09	.06	.04	.04	.04	.03		.05	.06	.05	.06	.09	.10	.10	.08	.07	.053	23	.11
10*	.05	.02	.02	.02	.02	.01					.03	.03	.03	.02		.04	.07	.09	.10	.09	.05	.05	.05	.04	.043	19	.10
11*	.04	.04	.02	.02	.01	.01	.02	.02	.02	.02	.01	.02	.02	.02		.02	.02	.01	.02	.04	.08	.08	.11	.10	.033	23	.11
12	.10	.08	.07	.06	.05	.04	.05	.05	.05	.04	.04	.03	.04	.05		.04	.05	.05	.05	.07	.08	.10	.10	.06	.058	23	.11
13	.04	.05	.04	.03	.02	.05	.07	.07	.07	.08	.07	.06	.05	.05			.08	.08	.05	.05	.04	.05	.06	.05	.054	22	.08
14	.04	.02	.03	.03	.02	.04	.05	.06	.09	.11	.07	.06	.06	.05		.04	.06	.07	.08	.08	.08	.08	.07	.06	.058	23	.12
15	.05	.06	.04	.03	.04	.04	.05	.07	.06	.05	.05	.04	.03	.03		.06	.07	.06	.06	.07	.08	.10	.10	.12	.057	23	.13
16	.11	.06	.04	.03	.04	.05	.08	.09	.12	.09	.07	.06	.05	.05		.04	.05	.06	.05	.05	.04	.07	.07	.06	.061	23	.13
17*	.06	.06	.06	.05	.06	.06	.05	.07	.09	.06	.04	.04	.03	.03		.02	.03	.05	.05	.06	.06	.08	.08	.08	.055	23	.10
18*	.07	.05	.04	.02	.03	.03	.03	.04		.01	.01	.01	.02	.01		.01	.01	.02	.03	.05	.08	.08	.04	.03	.032	22	.10
19	.02	.02	.02	.02	.03	.06	.07	.08	.07	.06	.05	.03	.03	.04		.04	.04	.04	.04	.07	.04	.05	.06	.05	.044	23	.10
20	.03	.04	.03	.02	.04	.06	.06	.07	.07	.06	.04	.04	.04	.05		.07	.08	.06	.05	.06	.06	.05	.05	.06	.052	23	.09
21	.06	.06	.06	.04	.05	.06	.07	.08	.06	.04	.03	.03	.03	.03		.04	.05	.05	.06	.07	.08	.08	.08	.08	.055	23	.09
22	.08	.08	.07	.05	.07	.07	.07	.10	.09	.10	.12	.11	.09	.07		.09	.09	.09	.06	.06	.08	.08	.06	.07	.079	23	.12
23	.07	.06	.04	.04	.04	.08	.10	.10	.08	.06	.04	.03	.03	.03		.04	.04	.04	.05	.07	.08	.09	.07	.08	.059	23	.11
24*	.07	.04	.03	.03	.04	.05	.08	.08	.08	.05	.05	.04	.03	.03		.04	.06	.11	.10	.08	.11	.14	.14	.10	.068	23	.15
25*	.09	.09	.07	.06	.06	.06	.06	.07	.07	.09	.07	.04	.04	.04		.02	.03	.03	.05	.04	.06	.10	.11	.11	.064	23	.11
26	.10	.07	.05	.03	.04	.05	.06	.05	.05	.04	.04	.03	.03	.03		.04	.05	.05	.05	.06	.06	.05	.04	.04	.048	23	.11
27	.04	.04	.04	.04	.03	.03	.04	.04	.04	.03	.03	.03	.03	.03		.04	.05	.04	.05	.06	.07	.07	.06	.05	.042	23	.07
28	.04	.04	.03	.03	.03	.04	.04	.05	.06	.05	.05	.04	.04	.04		.03	.03	.04	.05	.06	.08	.09	.09	.08	.049	23	.09
29	.08	.08	.07	.07	.07	.06	.05	.05	.05		.07	.06	.06	.05											.063	13	.08
30								.09	.08	.07	.05	.05	.03	.03		.03	.03	.03	.05	.09	.10	.10	.11	.12	.067	16	.12
31*	.10	.09	.10	.09	.08	.08	.08	.09	.12	.12	.11	.08	.04	.04		.04	.04	.05	.05	.07	.09	.08	.07	.07	.077	23	.12
MEAN	.06	.05	.04	.04	.04	.04	.05	.06	.07	.06	.05	.04	.04	.04		.04	.05	.05	.05	.06	.07	.07	.07	.07	.053		
NO.	30	30	30	30	30	30	29	30	29	28	30	31	31	31		25	30	30	30	30	30	30	30	30		684	
MAX	.11	.09	.10	.09	.08	.08	.10	.10	.12	.12	.12	.11	.09	.08		.09	.09	.11	.10	.09	.11	.14	.14	.12	.079		.15

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-33

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

WASHINGTON.D.C.

NITROGEN DIOXIDE
SEPT. 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1*	.08	.08	.08	.07	.07	.07	.07	.06	.06	.07	.04	.03	.03	.03		.03	.04	.03	.05	.05	.07	.07	.06	.06	.056	23	.08
2	.08	.06	.06	.05	.05	.05	.05	.07	.05	.04	.03	.04	.04	.03		.04	.04	.05	.10	.07	.08	.10	.09	.09	.058	23	.12
3	.09	.08	.09	.09	.08	.07	.08	.11	.11	.15	.07	.05	.05	.04		.05	.06	.07	.07	.10	.09	.09	.09	.08	.081	23	.18
4	.07	.06	.06	.05	.05	.05	.06	.08	.09	.09	.07	.05	.04	.04			.06	.07	.15	.16					.072	16	.16
5																											
6		.02	.01	.01	.01	.03	.04	.05	.05	.05	.05	.04	.05	.05		.04	.04	.04	.05	.07	.06	.04	.04	.03	.039	22	.07
7*																											
8*																											
9																											
10																											
11				.01	.02	.02	.03	.04	.05	.05	.04	.03	.04	.04		.04	.06	.06	.05	.03	.03	.03	.02	.02	.034	20	.06
12	.01	.01	.01	.01	.01	.02	.02	.03	.03	.03	.03	.02	.03	.02		.03	.03	.03	.04	.04	.04	.03	.04	.04	.025	23	.05
13	.03	.02	.01	.01	.02	.03	.03	.04	.05	.04	.04	.03	.03	.03		.03	.04	.05	.06	.05	.05	.05	.05	.05	.037	23	.06
14*	.04	.04	.03	.03	.03	.03	.03	.04	.04	.03	.03	.02	.02	.02		.03	.03	.04	.05	.06	.06	.05	.05	.06	.037	23	.06
15*	.06	.05	.05	.04	.04	.04	.04	.04	.04	.05	.05	.04	.03	.03		.02	.02	.03	.05	.09	.08	.08	.05	.04	.046	23	.09
16	.04	.05	.04	.05	.04	.04	.04	.06	.07	.05	.06	.04	.03	.03		.03	.03	.03	.05	.06	.06	.07	.06	.07	.046	23	.08
17	.06	.06	.06	.05	.05	.06	.06	.08	.08	.06	.05	.04	.04	.04		.04	.04	.04	.06	.09	.11	.11	.11	.12	.065	23	.13
18	.09	.06	.07	.07	.04	.06	.07	.08	.07	.05	.03	.03	.04	.03		.03	.03	.04	.06	.07	.06	.05	.05	.05	.054	23	.10
19	.04	.04	.04	.04	.05	.05	.06	.06	.08	.09	.08	.05	.05	.06		.03	.04	.05	.09	.10	.10	.07	.05	.05	.059	23	.11
20	.05	.04	.05	.05	.04	.05	.05	.08	.11	.08	.05	.05	.05	.05		.03	.04	.05	.06	.08	.08	.08	.07	.08	.058	23	.12
21*	.07	.07	.07	.07	.06	.06	.05	.07	.07	.12	.06	.05	.04	.04		.02	.02	.05	.08	.10	.12	.11	.09	.07	.067	23	.15
22*	.06	.06	.06	.06	.06	.05	.05	.05	.06	.07	.04	.02	.02	.03		.03	.05	.05	.08	.08	.09	.09	.08	.09	.057	23	.11
23	.08	.05	.04	.03	.04	.05	.05	.08	.17	.24	.18	.11	.08	.07		.07	.08	.07	.08	.09	.09	.07	.05	.04	.082	23	.26
24	.02	.02	.01	.00	.00	.02	.03	.05	.05	.04	.04	.03				.04	.05	.06	.07		.05	.04	.03	.04	.034	20	.07
25	.03	.02	.02	.02	.02	.02	.02	.03	.05	.04	.04	.05	.05	.04		.05	.06	.07	.07	.07	.05	.05	.05	.05	.040	23	.08
26	.05	.04	.04	.03	.03	.03	.03	.04	.05	.04	.05	.04	.05	.05		.05	.05	.07	.06	.04	.03	.03	.03	.01	.040	23	.09
27																											
28*		.06	.05	.03	.03	.03	.03	.03	.04	.06	.06	.05	.03	.03		.02	.02	.03	.04	.04	.04	.04	.05	.05	.037	22	.07
29*	.04	.04	.03	.03	.03	.02	.02	.02	.02	.03	.04	.04	.03	.03			.01	.02	.03	.03	.03	.04	.03	.04	.029	22	.05
30	.04	.02	.02	.03	.03	.03	.03	.04	.08	.12	.08	.05	.05	.04		.06	.06	.06	.07	.07	.06	.07	.06	.08	.053	23	.14
MEAN	.05	.04	.04	.04	.04	.04	.04	.05	.07	.07	.05	.04	.04	.04		.04	.04	.05	.06	.07	.07	.06	.06	.06	.050		
NO.	21	23	23	24	24	24	24	24	24	24	24	24	23	23		22	24	24	24	23	23	23	23	23		538	
MAX	.09	.08	.09	.09	.08	.07	.08	.11	.17	.24	.18	.11	.08	.07		.07	.08	.07	.15	.16	.12	.11	.11	.12	.082		.26

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-34

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

WASHINGTON, D.C.

NITROGEN DIOXIDE
OCT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN MAX.
1	.05	.03	.04	.04	.05	.05	.05	.07	.12	.13	.10	.07	.06	.05		.04	.07	.07	.08	.06	.05	.06	.05	.04	.062	21	.16
2	.04	.02	.02	.02	.03	.04	.04	.06	.08	.09	.09	.07	.05	.06		.06	.08	.07	.08	.07	.07	.04	.04	.05	.054	23	.10
3	.03	.04	.03	.02	.03	.05	.05	.07	.07	.06	.07	.07	.06	.07		.05	.06	.06	.05	.04	.03	.03	.02	.03	.046	23	.08
4																											
5*																											
6*																											
7	.01	.01	.01	.01	.03	.03	.03	.04	.06	.06	.04	.03	.03	.02		.02	.03	.06	.06	.05	.05	.05	.04	.03	.050	22	.08
8	.04	.03	.03	.02	.03	.04	.03	.05	.06	.05	.04	.03	.04	.03		.03	.04	.05	.04	.04	.04	.03	.04	.04	.034	23	.07
9	.06	.05	.04	.03	.03	.05	.03	.05	.06	.05	.04	.03	.05	.05			.04	.04	.07	.07	.07	.07	.07	.07	.045	22	.07
10	.02	.02	.02	.02	.03	.04	.04	.06	.07	.06	.05	.05	.04	.04			.05	.05	.05	.05	.03	.03	.03	.03	.042	22	.07
11	.03	.02	.02	.02	.03	.03	.04	.04	.06	.06	.05	.05	.04	.04		.04	.05	.05	.05	.04	.04	.04	.03	.04	.042	23	.07
12*	.04	.04	.03	.03	.04	.04	.04	.04	.04	.05	.06	.05	.06	.05		.04	.04	.05	.05	.05	.04	.04	.04	.05	.041	23	.08
13*	.09	.05	.05	.04	.04	.04	.03	.03	.05	.06	.09	.06	.06	.05		.05	.06	.11	.14	.11	.09	.10	.10	.10	.062	23	.15
14	.06	.05	.03	.03	.03	.03	.03	.03	.04	.05	.07	.10	.06	.04			.05	.07	.06	.05	.07	.08	.07	.06	.058	22	.12
15	.03	.02	.02	.02	.00	.01	.04	.05	.05	.04	.03	.02	.03	.03		.04	.05	.04	.04	.04	.04	.04	.03	.03	.043	23	.11
16	.04	.04	.04	.03	.03	.03	.03	.06	.09	.10	.11	.11	.10	.06			.06	.07	.08	.07	.07	.05	.03	.04	.040	22	.09
17	.06	.05	.04	.05	.05	.05	.05	.05	.07	.09	.08	.05	.06	.05		.05	.05	.06	.07	.05	.06	.06	.06	.06	.060	23	.12
18	.04	.03	.03	.03	.03	.03	.03	.03	.04	.05	.05	.04					.06	.05	.05	.05	.04	.04	.04	.05	.052	22	.09
19*	.04	.04	.02	.02		.03	.04	.04	.04	.04	.05	.05				.05	.05	.06	.05	.06	.04	.05	.04	.05	.040	21	.07
20*	.05	.04	.06	.06	.05	.05	.06	.06	.07	.07	.07	.06	.06	.05		.04	.06	.09	.10	.09	.09	.09	.08	.09	.068	22	.11
21	.08	.06	.03	.04	.05	.06	.07	.07	.06	.05	.04	.04	.04	.03		.03	.04	.06	.06	.06	.05	.05	.05	.05	.050	23	.09
22	.05	.08	.07	.07	.07	.05	.07	.09	.11	.10	.06	.05	.06	.06		.07	.09	.09	.08	.06	.04	.05	.04	.05	.067	23	.13
23	.02	.01	.01	.01	.03	.04	.05	.06	.08	.07	.04	.03	.03	.03		.05	.05	.06	.05	.05	.05	.04	.05	.05	.041	23	.10
24	.05	.05	.05	.04	.05	.04	.05	.05	.06	.06	.06	.07	.04	.04			.09	.08	.04	.04	.04	.03	.03	.02	.052	22	.10
25	.02	.02	.02	.02	.02	.02	.04	.04	.06	.05	.04	.04	.04	.04			.05	.06	.06	.05	.04	.03	.03	.03	.036	22	.08
26*	.04	.03	.03	.04	.04	.04	.06	.05	.05	.05	.06	.07	.07	.04		.03	.03	.04	.05	.05	.05	.05	.05	.05	.047	23	.08
27*	.05	.04	.04	.03	.02	.03	.04	.04	.05	.05	.04	.04	.04	.03			.05	.06	.06	.05	.05	.05	.05	.04	.043	22	.08
28																											
29																											
30																											
31																											
MEAN	.04	.04	.03	.03	.04	.04	.04	.05	.06	.06	.06	.05	.05	.05		.04	.05	.06	.06	.06	.05	.05	.05	.05	.049		
NO.	24	25	25	25	24	25	25	25	25	25	25	25	24	24		16	25	25	25	25	25	25	25	25		562	
MAX.	.09	.08	.07	.07	.07	.07	.07	.09	.12	.13	.11	.11	.10	.08		.07	.09	.11	.14	.11	.09	.10	.10	.10	.068		.16

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-35

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

WASHINGTON, D.C.

NITROGEN DIOXIDE
NOV. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1 2* 3* 4 5																											
6 7 8 9* 10*																											
11 12 13 14 15																											
16* 17* 18 19 20																											
21 22 23* 24* 25																											
26 27 28 29 30*																											
MEAN NO. MAX.																									.000		.00

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-36

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

WASHINGTON, D.C.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
DEC. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*																											
2																											
3																											
4																											
5																											
6																											
7*																											
8*																											
9																											
10																											
11																											
12																											
13																											
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18																											
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21*																											
22*																											
23																											
24																											
25																											
26																											
27																											
28*																											
29*																											
30																											
31																											
MEAN																											
NO																											
MAX																									.000		.00

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-37

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

WASHINGTON, D.C.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
JAN. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1											.03		.04	.06	.08	.06	.05	.04	.06	.06	.05	.07	.07	.07	.057	13	.09
2	.10	.10	.11	.14	.16	.21	.24	.24	.25	.17	.19	.18	.19	.19	.14	.10	.09	.09	.09	.10	.14	.16	.12	.10	.150	24	.28
3	.11	.10	.12	.11	.10	.11	.09	.12	.12	.15	.14	.08		.09	.10	.08	.11	.10	.11	.14	.14	.14	.12	.10	.112	23	.17
4	.08	.07	.09	.12	.14	.12	.11	.14	.13	.18	.16	.13	.18	.17	.10	.07	.06	.04	.04	.04	.04	.03	.03	.02	.094	24	.25
5	.04	.04	.04	.07	.06	.06	.06	.07	.07	.06	.06	.05	.06	.06	.04	.05	.05	.07	.09	.08	.10	.09	.12	.13	.066	24	.18
6*	.17	.14	.11	.11	.10	.09	.06	.06	.06	.05	.06	.06	.05	.04	.06	.05	.07	.06	.08		.06	.05	.04	.06	.073	23	.22
7*	.07	.07	.04	.05	.05	.05	.07	.08	.06	.03	.03	.05	.06	.05	.07	.07	.08	.08	.06	.04	.05	.06	.07	.08	.058	24	.18
8	.06	.06	.06	.06	.05	.07	.08	.09	.09	.08	.07	.08	.08	.07	.08	.06	.08	.06	.08	.09	.10	.11	.10	.10	.077	24	.13
9	.09	.08	.07	.07	.07	.08	.14	.14	.10	.08	.09	.11	.09	.09	.09	.10	.08	.09	.07	.06	.07	.07	.06	.08	.085	24	.17
10	.10	.07	.07	.06	.07	.11	.12	.13	.11	.10	.08	.07	.05	.05	.04		.05	.06	.08	.09	.09	.09	.10	.08	.080	23	.16
11	.08	.10	.09	.08	.08	.08	.10	.09	.08	.06	.05	.05	.04	.05	.06	.05	.06	.05	.07	.08	.08	.06	.05	.06	.068	24	.14
12	.08	.06	.05	.08	.10	.11	.12	.12	.10	.11	.06	.06	.08	.07	.06	.07	.07	.07	.06	.08	.12	.14	.11	.11	.087	24	.15
13*	.15	.15	.15	.15	.20	.23	.24	.23	.22	.18	.15	.11	.07	.06	.06	.05	.04	.04	.03	.03					.126	20	.26
14*												.01	.02	.03	.04	.02	.02	.03	.03	.02	.04	.06	.03	.03	.027	13	.07
15	.03	.02	.02	.02	.02	.04	.08	.15	.06	.06	.08	.09	.08	.08	.09	.09	.09	.08	.07	.06	.06	.04	.03	.04	.061	24	.18
16	.03	.04	.04	.07	.09	.10	.09	.10	.10	.09	.09	.07	.08	.07	.07	.06	.06	.07	.07	.07	.08	.08	.07	.08	.072	24	.12
17	.07	.06	.09	.12	.12	.13	.12	.13	.11	.14	.08	.10	.11			.05	.08	.09	.09	.11	.11	.06	.09	.10	.097	22	.19
18	.06	.05	.09	.09	.12	.12	.14	.14	.13	.17			.15	.13	.10	.10	.11	.10	.11	.11	.13	.12	.14	.13	.114	22	.22
19	.13	.13	.12	.13	.11	.14	.18	.13	.20	.20				.06	.05	.05	.06	.07	.09	.09	.10	.13	.14	.13	.115	21	.28
20*	.13	.12	.14	.15	.12	.14	.17	.18	.26	.23	.18	.08	.05	.05	.06	.06	.07	.10	.10	.16	.14	.13	.15	.13	.128	24	.42
21*	.11	.09	.11	.10	.08	.12	.13	.15	.16	.16	.06	.06	.05	.05	.04	.04	.04	.05	.05	.07	.08	.08	.08	.07	.084	24	.28
22	.08	.08	.09	.10	.11	.10	.13	.20	.26	.22	.18	.09	.09	.08	.06	.04	.06	.08	.12	.12	.12	.12	.06	.06	.109	24	.31
23	.08	.07	.09	.06	.08	.06	.07	.10	.10	.10	.07	.06	.07	.13	.09	.08	.08	.09	.09	.05	.05	.05	.04	.04	.074	24	.15
24	.04	.04	.04	.04	.04	.05	.05	.07	.04				.05	.06	.10	.08	.06	.05	.06	.06	.07	.08	.06	.05	.056	21	.12
25	.05	.05	.03	.03	.03	.04	.07	.07	.10	.08	.09	.09	.09	.09	.08	.08	.07	.08	.10	.10	.08	.11	.10	.14	.076	24	.15
26	.11	.14	.15	.14	.13	.16	.18	.22	.22	.19	.17	.13	.11	.11	.10	.10	.09	.11	.13	.17	.19	.19	.25	.22	.153	24	.31
27*	.18	.18	.17	.20	.21	.15	.18	.18	.18	.27	.41	.27	.16	.11	.13	.10	.07	.14	.12	.15	.17	.18	.24	.18	.179	24	.46
28*	.14	.14	.13	.10	.16	.14	.19	.18	.16	.19	.22	.27	.26	.21	.16	.15	.10	.07	.08	.08	.09	.10	.09	.10	.145	24	.35
29	.13	.12	.13	.16	.21	.24	.22	.17	.17	.12	.17	.18	.16	.09	.07	.07	.08	.10	.08	.09	.07	.08	.09	.07	.127	24	.26
30	.07	.06	.05	.05	.06	.06	.08	.12	.14	.15	.24	.28	.24	.09	.10	.12	.13	.16	.14	.05	.06	.05	.06	.05	.108	24	.47
31	.05	.04	.04	.04	.05	.05	.06	.07	.08	.12	.09	.07	.07		.06	.07	.13	.12	.10	.09	.05	.06	.06	.05	.070	23	.17
MEAN	.09	.08	.09	.09	.10	.11	.12	.13	.13	.13	.12	.11	.10	.09	.08	.07	.07	.08	.08	.08	.09	.09	.09	.09	.096		
NO.	29	29	29	29	29	29	29	29	29	28	27	27	29	29	30	30	31	31	31	30	30	30	30	30		704	
MAX	.18	.18	.17	.20	.21	.24	.24	.24	.26	.27	.41	.28	.26	.21	.16	.15	.13	.16	.14	.17	.19	.19	.25	.22	.179		.47

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-38

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

WASHINGTON, D.C.

SULFUR DIOXIDE
FEB. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	.04	.04	.04	.05	.05	.05	.08	.08	.07	.07	.07	.04	.05	.05	.04	.04	.04	.04	.05	.06	.10	.13	.13	.10	.062	24	.16
2	.06	.06	.08	.07	.06	.09	.06	.06	.07	.06	.06	.06	.06			.04	.05	.07	.06	.05	.06	.04	.03	.05	.057	22	.16
3*		.06	.06	.05	.05	.05	.08	.11	.11	.10	.08	.06	.05	.05	.04	.03	.03	.03	.03	.04	.05	.05	.05	.05	.056	23	.14
4*	.05	.05	.04	.05	.07	.07	.09	.07	.07	.05		.05	.05	.05	.03	.04	.04	.04	.04	.05	.05	.05			.052	21	.10
5	.05	.05	.05	.08	.13	.11	.14	.12	.13	.12	.07	.06	.06	.05	.07	.06	.06	.05	.08	.11	.12	.11	.11	.11	.087	24	.16
6	.12	.12	.10	.09	.12	.14	.12	.15	.14	.13	.11	.08	.07	.08	.07	.07	.07	.07	.08	.13	.21	.19	.15	.15	.114	24	.23
7	.19	.16	.17	.18	.21	.21	.24	.21	.15	.08	.09	.09	.08	.05			.04	.05	.07	.10	.07	.06	.06	.06	.118	22	.26
8	.04	.05	.05	.04	.05	.11	.11	.10	.09	.08			.08	.06	.07	.05	.04	.05	.08	.09	.08	.10	.10	.08	.073	22	.16
9	.10	.14	.13	.12	.10	.06	.08	.08	.10	.10	.09	.09	.10	.09	.07	.08	.07	.06	.06	.06	.07	.08	.08	.04	.084	24	.14
10*	.05	.04	.04	.05	.05	.04	.04	.05	.06	.07	.07	.06	.05	.04	.04	.04	.03	.04	.05	.04	.05	.06	.08	.08	.049	24	.10
11*	.08	.09	.09	.11	.11	.11			.08	.06	.06	.04	.05	.04	.04	.05	.05	.04	.04	.04	.05	.06	.08	.07	.066	22	.15
12	.11		.11	.09	.12	.12	.14	.14	.11	.12	.09	.10	.09	.09	.07	.06	.06	.06	.07	.07	.08	.07	.07	.05	.092	23	.17
13	.06	.10	.09	.07	.07	.09	.10	.10	.08	.08	.09	.09	.07	.07	.08	.08	.07	.06	.07	.08	.07	.09	.08	.10	.080	24	.18
14	.11	.13	.12	.15	.14	.14	.16	.16	.13	.12	.11	.11	.10	.09	.09	.09	.06	.08	.10	.12	.13	.11	.08	.08	.113	24	.19
15	.13	.12	.13	.11	.16	.16	.15	.18	.17	.19	.16	.11	.10	.08	.08	.06	.05	.06	.06	.06	.07	.07	.07	.05	.107	24	.22
16	.04	.06	.04	.04	.06	.08	.13	.16	.16	.10	.07	.05	.06	.05		.07	.06	.06	.12	.11	.15	.11	.15	.12	.089	23	.21
17*	.09	.09	.08	.11	.11	.12	.10	.08	.07	.10	.06	.06	.06	.04	.04	.05	.04	.04	.07	.05	.05	.04	.03	.03	.067	24	.19
18*	.04	.03	.04	.04	.05	.05	.06	.07	.09	.10	.06	.07	.07	.05	.04	.06	.04	.04	.07	.09	.07	.06	.09	.08	.061	24	.12
19	.08	.08	.07	.06	.07	.09	.13	.14	.13	.10	.10	.09	.07	.06	.08	.08	.07	.05	.09	.11	.10	.13	.14	.17	.095	24	.19
20	.18	.14	.13	.15	.10	.12	.18	.17	.22	.11	.09	.08	.07	.08	.07	.06	.06	.05	.07	.06	.05	.04	.04	.04	.097	24	.28
21	.03	.03	.08	.08	.07	.06	.07	.09	.10	.09	.09	.08	.07	.07		.06	.07	.07	.07	.08	.07	.05	.06	.07	.069	23	.14
22	.07	.06	.05	.06	.07	.10	.11	.11	.10	.08	.07	.07	.06	.06	.08	.06		.08	.10	.11	.11	.13	.11	.12	.084	23	.16
23	.11	.10		.07	.13	.10	.14	.16	.11	.09	.10	.10	.08	.08	.07	.06	.07	.06	.07	.09	.13	.12	.11	.12	.098	23	.18
24*	.11	.08	.12	.15	.15	.14	.18	.19	.18	.15	.07	.08	.06	.05	.04	.04	.04	.05	.05	.06	.06	.06	.06	.07	.092	24	.23
25*	.05	.05	.06	.06	.06	.07	.07	.06	.07	.05	.04	.04	.04	.05	.05	.04	.05	.04	.06	.07	.06	.06	.07	.08	.055	24	.12
26	.07	.07	.08	.08	.10	.16	.16	.16	.14	.09	.06	.05	.04	.05	.04	.03	.02	.04	.07	.09	.12	.17	.18	.17	.093	24	.21
27	.15	.17	.16	.15	.12	.11	.18	.15	.15	.12	.11	.09	.07	.06	.06	.07	.06	.06	.09	.10	.12		.14	.18	.115	23	.26
28	.20	.20	.18	.25	.21	.21	.30	.22	.19	.13	.10	.10	.13	.12			.07	.08	.07	.09	.10	.11	.14	.14	.152	22	.34
29	.13	.17	.11	.09	.07	.08	.12	.13	.19	.18	.16	.23	.20	.26			.08	.08	.11	.09	.07	.05	.04	.04	.121	22	.31
MEAN	.09	.09	.09	.09	.10	.10	.12	.12	.12	.10	.09	.08	.07	.07	.06	.06	.05	.05	.07	.08	.09	.09	.09	.09	.086		
NO	28	28	28	29	29	29	28	28	29	29	27	28	29	28	23	26	28	29	29	29	29	28	28	28		674	
MAX	.20	.20	.18	.25	.21	.21	.30	.22	.22	.19	.16	.23	.20	.26	.09	.09	.08	.08	.12	.13	.21	.19	.18	.18	.152		.34

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-39

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

WASHINGTON, D.C.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
MARCH 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS.	5-MIN. MAX
1	.04		.03	.03	.07	.08	.07	.09	.08	.08	.08	.08	.08				.06	.05	.06	.07	.09	.09	.10	.08	.071	20	.12
2*	.09	.05	.09	.09	.07	.11	.11	.13	.11	.09	.05	.05	.05	.04	.05	.05	.04	.05	.04	.05	.05	.04	.04	.05	.064	24	.20
3*	.05	.04	.03	.03	.03	.03	.03	.04	.04	.04	.04	.04	.05	.04	.05	.05	.04	.04	.03	.04	.04	.06	.07	.05	.041	24	.09
4	.06	.06	.09	.10	.10	.11	.07	.10	.08	.06	.05	.09	.08	.08	.06	.05	.05	.04	.03	.06	.12	.12	.08	.09	.076	24	.14
5	.08	.07	.10	.09	.11	.17	.16	.24	.13	.07	.06	.07	.06	.06	.05	.03	.05	.05	.05	.07	.10	.11	.12	.11	.090	24	.29
6	.10	.11	.14	.21	.26	.26	.19	.20	.18	.13	.11	.10	.09	.13		.11	.09	.08	.08	.06	.05	.05	.03	.03	.120	23	.29
7	.03	.05	.05	.04	.04	.05	.06	.05	.05	.04	.03	.03	.03	.02	.03	.02	.02	.03	.05	.06	.08	.12	.13	.08	.048	24	.18
8	.09	.08	.05	.06	.06	.05	.06	.09	.09	.12	.09			.07	.07	.09	.10	.09	.09	.07	.11	.11	.07	.09	.081	22	.15
9*	.10	.08	.08	.09	.10	.07	.08	.07	.08	.07	.07	.07	.07	.04	.04	.04	.04	.04	.05	.05	.08	.11	.09	.09	.070	24	.14
10*	.07	.06	.08	.08	.09	.10	.10	.09	.08	.08	.09	.11	.15	.09	.08	.05	.07	.06	.05	.09	.08	.08	.08	.06	.081	24	.16
11	.07	.06	.04	.04	.03	.05	.08	.11	.07	.07	.05	.04	.03	.04	.04	.02	.02		.03	.03	.03	.04	.05	.05	.047	23	.12
12	.07	.09	.07	.06	.06	.07	.09	.13	.15	.10	.07	.05	.09	.07	.05	.07	.05	.07	.09	.11	.11	.13	.08	.09	.084	24	.19
13	.08	.08	.11	.11	.13	.12	.10	.11	.09							.04	.03	.03	.04	.05	.08	.08	.07	.06	.077	18	.14
14	.06	.05	.06	.06	.08	.09	.12	.13	.09				.05	.05	.05	.06	.06	.05	.07	.10	.08	.10	.09	.14	.078	21	.18
15	.10	.07	.07	.09	.07	.08	.08	.09	.09	.06	.05	.05	.05	.04	.05	.08	.07	.08	.05	.07	.07	.08	.09	.08	.071	24	.15
16*	.08	.09	.08	.09	.08	.06	.06	.07	.08	.06	.05	.05	.05	.04	.04	.04	.04	.05	.04	.04	.03	.03	.06	.05	.054	24	.10
17*	.03	.05	.04	.04	.03	.04	.04	.04	.04	.04	.04	.05	.05	.03	.04	.04	.03	.03	.03	.03	.03	.02	.02	.03	.036	24	.07
18	.03	.02	.02	.02	.02	.05	.07	.07	.06	.07	.07	.04	.04	.06	.05	.04	.03	.03	.04	.04	.03	.03	.03	.03	.041	24	.08
19	.03	.03	.03	.02	.03	.05	.08	.09	.05	.03	.03	.02	.03	.03	.02	.01	.01	.02	.03	.04	.06	.07	.07	.09	.040	24	.12
20	.06	.05	.04	.03	.05	.04	.06	.07	.07	.07	.08	.06	.05	.05	.04	.01	.02	.04	.03	.04	.05	.05	.04	.04	.047	24	.11
21	.04	.03	.04	.05	.04	.06	.08	.12	.15	.19	.20	.18	.20			.15	.09	.16	.04	.04	.04	.04	.05	.07	.092	22	.24
22	.11	.15	.18	.18	.13	.11	.10	.14	.15	.24	.17				.05	.05	.03	.04	.04	.01	.01	.01	.02	.01	.090	21	.31
23*	.01	.01	.01	.02	.02	.02	.04	.03	.02	.03	.03	.03	.03	.03	.03	.03	.01	.01	.01	.02	.03	.03	.03	.02	.024	24	.07
24*	.03	.03	.02	.02	.03	.03	.04	.05	.04	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.04	.03	.04	.05	.04	.028	24	.07
25	.04	.04	.05	.06	.06	.09	.09	.09	.06	.05	.06	.06	.04	.04	.04	.03	.03	.02	.04	.04	.05	.05	.04	.04	.049	24	.13
26	.06	.05	.04	.06	.07	.06	.10	.06	.07	.06	.06	.02	.02	.01	.01	.02	.02	.01	.04	.04	.03	.04	.03	.03	.041	24	.12
27	.05	.05	.06	.08	.08	.06	.09	.12	.20	.19	.13	.09	.03		.02	.02	.01	.02	.03	.04	.07	.05	.02	.02	.066	23	.25
28	.02	.03	.02	.03	.02	.07	.06	.06	.06	.08	.09	.08	.04	.02	.02	.01	.01	.01	.02	.02	.06	.08	.06	.05	.042	24	.11
29	.06	.03	.02	.03	.02	.02	.02	.03	.10	.07	.02	.01	.01	.01	.01	.00	.00	.01	.01	.03	.02	.02	.02	.01	.024	24	.12
30*	.02	.00	.01	.00	.01	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02	.01	.05	.02	.02	.02	.009	24	.08
31*	.02	.01	.02	.02	.01	.02	.03	.02	.03	.02	.02	.01	.01	.01	.01	.00	.00	.00	.00	.02	.02	.02	.01	.01	.013	24	.03
MEAN	.06	.05	.06	.06	.06	.07	.08	.09	.08	.08	.07	.05	.05	.04	.04	.04	.04	.04	.04	.05	.06	.06	.06	.05	.057		
NO.	31	30	31	31	31	31	31	31	31	29	29	27	28	26	27	30	31	30	31	31	31	31	31	31		721	
MAX	.11	.15	.18	.21	.26	.26	.19	.24	.20	.24	.20	.18	.20	.13	.08	.15	.10	.16	.09	.11	.12	.13	.13	.14	.120		.31

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-40

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

WASHINGTON, D.C.

SULFUR DIOXIDE
APRIL 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN. MAX
1	.01		.01	.01	.01	.01	.01	.04	.05	.04	.03	.02	.03	.02	.01	.00	.00	.01	.01	.01	.01	.02	.02	.02	.017	23	.08
2	.02	.03	.02	.03	.03	.06	.09	.12	.07	.06	.04	.03	.03	.01	.01	.02	.00	.03	.01	.03	.04	.05	.02	.01	.036	24	.18
3	.03	.02	.03	.06	.04	.05	.06	.04	.05	.04	.03	.05	.01				.01	.02	.02	.01	.02	.04	.04	.03	.033	21	.12
4	.01	.01	.01	.01	.01	.01	.03	.04	.03	.01	.01	.01	.01			.02	.01	.02	.04	.03	.01	.01	.02	.04	.018	22	.05
5	.02	.01	.02	.01	.00	.02	.02	.03	.03	.03	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.02	.01	.01	.01	.014	24	.04
6*	.00	.01	.01	.01	.00	.01	.01	.01	.02	.03	.02	.01	.02	.01	.01	.01	.02	.02	.02	.02	.03	.04	.03	.04	.017	24	.05
7*	.04	.02	.03	.03	.02	.04	.02	.06	.05	.03	.01	.00	.00	.00	.01	.00	.00	.00	.01	.04	.02	.03	.03	.03	.021	24	.09
8	.02	.02	.01	.03	.04	.04	.04	.05	.02	.02	.03	.03	.00	.00	.03	.03	.02	.03	.03	.04	.02	.02	.01	.01	.024	24	.06
9	.01	.02	.02	.02	.02	.04	.04	.03	.01	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.00	.01	.01	.01	.03	.011	24	.05
10	.01	.02	.02	.03	.04	.04	.03	.05	.04	.07	.14	.08	.05	.05	.02	.01	.01	.01	.01	.03	.04	.05	.03	.03	.037	24	.17
11	.03	.04	.03	.02	.01	.05	.06	.07	.05	.04	.04	.03	.02	.01	.00	.00	.00	.00	.00	.02	.03	.05	.08	.08	.032	24	.10
12	.06	.05	.03	.06	.06	.07	.09	.12	.10	.10	.10	.07	.07	.05	.02	.01	.02	.03	.03	.02	.03	.04	.03	.02	.053	24	.14
13*	.02	.03	.02	.05	.04	.05	.07	.07	.10	.14			.01	.00	.01	.02	.01	.02	.01	.04	.04	.02	.04	.01	.037	22	.27
14*	.02	.01	.03	.04	.04	.03	.05	.07	.12	.10	.07	.03	.02	.02	.01	.00	.00	.00	.01	.01	.01	.00	.00	.00	.028	24	.15
15	.01	.00	.01	.01	.01	.01	.04	.04	.03	.06	.06	.06	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.016	24	.07
16	.00	.00	.01	.01	.00	.00		.04	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.06	.06	.04	.011	23	.08
17	.01	.00	.03	.06	.05	.04	.00	.03	.06	.04	.01	.00	.00				.00	.00	.00	.00	.02	.01	.01	.00	.017	21	.07
18	.00	.01	.00	.02	.00	.00	.00	.03	.01	.00	.00	.00	.01				.01	.04	.00	.03	.05	.06	.04	.00	.015	21	.08
19	.00	.01	.00	.00	.00	.06	.06	.07	.03	.01	.00	.00	.00	.01	.00	.00	.00	.00	.00	.01	.01	.00	.00	.01	.012	24	.08
20*	.03	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.05	.01	.01	.00	.00	.00	.00	.006	24	.06
21*	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.002	24	.03
22	.00	.00	.00	.01	.01	.01	.01	.00	.01	.00	.00	.01	.02	.01	.01	.00	.01	.00	.01	.01	.00	.01	.02	.00	.007	24	.04
23	.00	.00	.01	.00	.00	.01	.01	.01	.01	.01	.02	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.004	24	.04
24	.00	.00	.00	.00	.00	.00	.00	.02	.01	.04	.03	.03	.03	.03		.00	.01	.01	.01	.02	.03	.02	.04	.03	.015	23	.07
25	.02	.01	.01	.00	.02	.02	.07	.08	.03	.02	.02	.02	.02	.01	.01	.00	.00	.00	.01	.01	.01	.03	.02	.02	.019	24	.11
26	.01	.03	.04	.05	.05	.05	.06	.06	.05	.02	.03	.03	.02	.01		.00	.01	.02	.02	.02	.02	.02	.02	.02	.028	23	.09
27*	.01	.01	.01	.03	.03	.04	.04	.06	.06	.07	.05	.04	.03	.02	.02	.01	.02	.02	.03	.04	.04	.04	.03	.05	.031	24	.11
28*	.06	.05	.03	.02	.02	.04	.09	.05	.02	.02	.02	.02	.01	.00	.00	.00	.00	.00	.01	.03	.03	.05	.05	.03	.026	24	.10
29	.04	.02	.05	.08	.06	.04			.04	.03	.03	.02	.02	.03	.02	.02	.01	.01	.01	.02	.02	.02	.01	.03	.028	22	.10
30	.03	.02	.02	.03	.04	.09	.07	.04	.02	.04	.03	.02	.02	.02	.01	.00	.01	.01	.00	.00	.01	.01	.01	.00	.022	24	.11
MEAN	.02	.02	.02	.02	.02	.03	.04	.04	.04	.04	.03	.02	.02	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.021		
NO	30	29	30	30	30	30	28	29	30	30	29	29	30	26	24	27	30	30	30	30	30	30	30	30		701	
MAX	.06	.05	.05	.08	.06	.09	.09	.12	.12	.14	.14	.08	.07	.05	.03	.03	.02	.05	.04	.04	.05	.06	.08	.08	.053		.27

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-41

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

WASHINGTON, D.C.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
MAY 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN MAX
1	.01		.01	.01	.03	.05	.10	.07	.04	.03	.02	.02	.00	.00	.01	.00	.00	.01	.01	.04	.03	.04	.03	.01	.024	23	.12
2	.00	.00	.01	.02	.04	.07	.09	.05	.04	.04	.01	.01	.01	.01	.01	.01	.00	.00	.01	.02	.03	.01	.01	.03	.022	24	.11
3	.04	.01	.02	.06	.07	.06	.02	.05	.04	.00	.05	.07	.01	.01	.01	.01	.01	.08	.07	.02	.03	.04	.05	.05	.036	24	.12
4*	.03	.02	.02	.01	.01	.02	.03	.04	.02	.02	.02	.02	.02	.02	.02	.03	.02	.01	.01	.01	.04	.03	.01	.01	.019	24	.06
5*	.01	.02	.02	.03	.06	.06	.07	.07	.06	.05	.03	.02	.02	.02	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.024	24	.08
6	.01	.01	.01	.01	.01	.05	.06	.03	.02	.02	.02	.03	.01	.00	.00	.00	.00	.01	.01	.01	.03	.03	.03	.02	.018	24	.08
7	.04	.05	.04	.03	.02	.05	.10	.03	.01	.01	.02	.01	.00	.00	.00	.00	.00	.00	.00	.01	.03	.05	.05	.06	.025	24	.21
8	.09	.05	.03	.04	.06	.06	.10	.08	.08	.08	.05	.02	.02		.00	.00	.00	.02	.02	.04	.03	.03	.02	.02	.040	23	.15
9	.03	.03	.02	.04					.01	.01	.00	.01	.01	.00	.01	.01	.02	.01	.00	.02	.01	.01	.01	.02	.014	20	.12
10	.02	.01	.02	.01	.01	.01	.02	.04	.04	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.01	.02	.03	.03	.03	.015	24	.12
11*	.04	.04								.10	.09	.06	.04	.03	.02	.02	.02	.02	.01	.01	.01	.01	.00	.00	.031	13	.11
12*	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.002	24	.04
13	.00	.01	.01	.01	.02	.05	.05		.01	.00	.00	.01	.01	.01	.00	.00									.012	15	.07
14								.04	.04	.01	.01	.00	.00	.00	.00	.00	.01	.02	.01	.00	.02	.02	.03	.03	.013	17	.07
15	.01	.02	.01	.03	.01	.03	.04	.03	.02	.02	.02	.02	.02		.01	.01	.02	.01	.01	.02	.02	.02	.01	.01	.017	23	.06
16	.02	.02	.01	.01	.02	.02	.04	.02	.01	.02	.02	.01	.01	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.010	24	.05
17	.00	.01	.01	.01	.01	.03	.04	.03	.02	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.01	.02	.02	.00	.04	.012	24	.07
18*	.01	.01	.01	.01	.00	.00	.01	.03	.05	.04	.02	.02	.02	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.010	24	.11
19*	.00	.02	.03	.00	.01	.01	.03	.02	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.007	22	.05
20								.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.01	.01	.01	.01	.007	17	.04
21	.02	.03	.02	.02	.05	.09	.08	.04	.02	.02	.01	.00	.00	.00	.01	.01	.02	.00	.01	.01	.04	.03	.02	.02	.024	24	.09
22	.02	.02	.01	.01	.02	.03	.05	.06	.04	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.05	.04	.03	.02	.023	24	.08
23	.03	.02	.02	.01	.03	.05	.07	.06	.04	.03	.02	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.017	24	.09
24	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.01	.001	24	.01
25*	.00	.00	.00	.00	.00	.01	.02	.00	.00						.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	19	.05
26*	.00	.00	.00	.00	.00	.00	.02	.02	.03	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.004	24	.04
27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	24	.01
28	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.01	.00	.01	.02	.02	.02	.02	.01	.02	.03	.02	.02	.01	.01	.009	24	.05
29	.01	.02	.01	.00	.00	.02	.04	.02	.02	.01		.01	.01	.00	.01	.00	.01	.00	.00	.01	.00	.01	.01	.01	.009	23	.05
30	.00	.00	.00	.00	.00	.00	.01	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	24	.03
31	.01	.01	.02	.02	.03	.05	.07	.05	.02	.02	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.01	.02	.03	.015	24	.08
MEAN	.02	.02	.01	.01	.02	.03	.04	.03	.02	.02	.02	.01	.01	.01	.01	.00	.01	.01	.01	.01	.01	.01	.01	.01	.015		
NO.	29	28	28	28	27	27	27	28	30	30	29	30	30	28	31	31	30	30	30	30	30	30	29	29		699	
MAX.	.09	.05	.04	.08	.07	.09	.10	.08	.08	.10	.09	.07	.04	.03	.02	.03	.02	.08	.07	.04	.05	.05	.05	.06	.040		.21

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-42

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

WASHINGTON, D.C.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
JUNE 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	2 MIN. MAX.
1*	.02		.02	.02	.02	.03	.04	.02	.01	.01	.00	.01	.00	.00	.00	.00	.01	.01	.01	.01	.01	.02	.02	.01	.013	23	.05
2*	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00						.00	.00	.00	.00	.00	.00	.001	19	.04
3	.00	.00	.00	.00	.00	.00	.01	.05	.05	.04	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.03	.02	.009	24	.07
4	.01	.00	.00	.00	.00	.00	.08	.07	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.008	24	.19
5	.00	.00	.00	.00	.00	.02	.04	.06	.02	.00	.00	.00	.01	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.007	23	.07
6	.00	.00	.00	.00	.01	.00	.05	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.004	24	.07
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	24	.01
8*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00								.00	.01	.00	.000	17	.01
9*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00				.00	.00	.00	.00	.00	.00	.000	21	.02
10				.00	.00	.00	.00	.00	.00			.01	.00	.00	.00	.00	.00	.00	.00	.00				.00	.001	16	.01
11																											
12		.00	.00	.00	.00	.00	.00	.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	21	.02
13	.00	.00	.00	.00	.01	.00	.01	.01	.01	.00	.00	.00	.00				.00	.00	.00	.00	.00	.00	.00	.00	.003	21	.03
14	.00	.01	.00	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.003	24	.03
15*	.00	.00	.00	.02	.01	.01	.01	.02	.03	.02	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.005	24	.05
16*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	24	.04
17																											
18																											
19																											
20																											
21																											
22*																											
23*																											
24																											
25		.01	.00	.00	.01	.00	.04	.05	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.006	23	.08
26	.00	.00	.00	.00	.01	.02	.02	.02	.01	.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	23	.03
27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.01
28	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00						.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	19	.02
29*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	24	.05
30*	.00	.00	.00	.00	.00	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	24	.04
MEAN	.00	.00	.00	.00	.00	.00	.02	.02	.01	.01	.00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.003		
NO	18	19	20	21	21	21	21	21	21	19	17	20	20	18	15	17	18	18	20	20	19	20	20	21		465	
MAX	.02	.01	.02	.02	.02	.03	.08	.07	.05	.04	.01	.01	.01	.01	.00	.00	.01	.01	.01	.01	.01	.02	.03	.02	.013		.19

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-43

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

WASHINGTON, D.C.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
JULY 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	.00		.00	.00		.01	.03	.06	.03	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.006	22	.08
2	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.01	.01	.00		.00	.01	.00	.01	.00	.00	.00	.00	.00	.002	23	.04
3	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00						.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	19	.03
4	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02	.02	.01	.003	24	.05
5	.01	.01	.01	.01	.02	.02	.04	.04	.00	.01	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.01	.007	24	.08
6*	.01	.02	.01	.01	.00	.00	.00	.00	.00	.01	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.02	.005	24	.05
7*	.03	.01	.02	.01	.03	.05	.05	.03	.02	.05	.02	.00	.00	.01	.01	.01	.01	.01	.01	.00	.00	.01	.01	.01	.017	24	.07
8	.00	.00	.00	.01	.00	.02	.02	.03	.02	.01	.01	.01	.02	.03	.02	.02	.00	.00	.01	.01	.02	.03	.02	.02	.014	24	.05
9	.04	.03	.04	.01	.02	.02	.03	.02	.01	.02	.03	.03	.01	.01	.02	.01	.02	.01	.00	.01	.00	.00	.00	.01	.016	24	.07
10	.01	.01	.01	.00	.00	.02	.02	.03	.02				.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.005	21	.04
11	.00	.00	.00			.00	.00	.00	.00	.00	.00	.02	.02	.01	.00	.00	.00	.00			.00	.00	.00	.00	.003	20	.06
12	.01	.00	.00	.00	.00	.00	.00	.01	.01	.00		.00	.00	.02	.02	.02	.01	.01	.01	.00	.00	.00	.00	.00	.005	23	.05
13*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.14	.18	.08						.00	.00	.00	.00	.01	.00	.022	19	.24
14*	.00	.00	.00	.00	.00	.00	.01	.02	.00	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.003	24	.06
15	.01	.00	.00	.00	.00	.01	.01	.02	.01	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.003	24	.06
16	.00	.01	.00	.00	.00	.00	.00	.01	.00	.00	.00	.01	.00	.00	.00	.00	.01	.01	.00	.00	.00	.01	.01	.01	.003	24	.04
17	.01	.01	.00	.03	.05	.04	.03	.01	.02	.01	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.012	24	.06
18	.00								.01	.01	.02	.02	.01	.01	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.006	17	.05
19	.01	.01	.01	.02	.03	.01	.01	.01	.01	.01	.02	.01	.01	.01	.01	.00	.00	.00	.00	.01	.00	.01	.00	.00	.008	24	.03
20*	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02	.002	24	.03
21*	.02	.02	.01	.01	.02	.01	.01	.03	.03			.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.01	.01	.01	.011	22	.05
22	.01	.02	.02	.03	.02	.03	.04	.03	.02	.01	.01	.03	.02	.01	.01	.02	.02	.00	.00	.00	.01	.01	.00	.00	.015	24	.05
23	.00	.00	.00	.00	.00	.01	.01	.02	.03	.02	.01	.01	.01	.01	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.005	24	.05
24	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	22	.04
25	.00	.00	.00	.00	.00	.00	.01	.02	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.003	24	.03
26	.00	.00	.00	.00	.01	.00	.00	.04	.05	.03	.02	.02	.02	.03	.03	.02	.01	.00	.06	.02	.01	.02	.01	.00	.016	24	.13
27*	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.00	.00	.01	.01	.00	.00	.01	.00	.00	.00	.00	.00	.00	.003	24	.03
28*	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	24	.06
29	.00	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.02	.003	24	.04
30	.01	.00	.02	.03	.04	.06	.06	.06	.06			.00	.00	.00							.01	.01	.01	.01	.023	16	.10
31	.02	.00	.00	.01	.05	.02	.01	.04	.02		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.008	23	.09
MEAN	.01	.01	.01	.01	.01	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.01	.00	.01	.007		
NO	31	29	30	29	28	30	30	30	31	26	25	29	30	29	27	29	29	29	29	29	31	31	31	31		703	
MAX	.04	.03	.04	.03	.05	.06	.06	.06	.06	.05	.14	.18	.08	.03	.03	.02	.02	.01	.06	.02	.02	.03	.02	.02	.023		.24

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-44

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

WASHINGTON, D.C.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
AUG. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	24	.03
2	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00		.01	.00	.00		.00	.00	.00	.00	.00	.00	.00	.001	22	.03
3*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01				.01	.00	.00	.00	.00	.00	.00	.00	.00	.001	21	.02
4*	.00		.00	.00	.00	.00	.00	.00	.00					.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	19	.03
5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.03	.02	.01	.02	.00	.00	.00	.00	.00	.00	.00	.004	24	.07
6	.00	.00	.00	.00	.00	.00	.01	.05	.03	.01			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.004	22	.10
7									.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	15	.01
8																											
9																											
10*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00					.03	.01	.00	.00	.00	.00	.00	.002	20	.05
11*																											
12		.03	.02	.01	.00	.00	.00	.00	.00		.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.003	22	.05
13	.00	.01	.00	.00	.00	.00	.02	.02	.03	.05					.01	.01	.01	.02	.00	.00	.00	.02	.01	.00	.011	20	.07
14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.03
15	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02	.02	.03	.004	24	.04
16	.01	.00	.00	.00	.00	.01	.00	.01	.01	.01	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.003	24	.03
17*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	24	.02
18*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	24	.02
19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	24	.02
20	.00	.00	.00	.00	.00	.00	.01	.02	.01	.00	.00	.00	.00	.00	.03	.01	.00	.00	.00	.00	.00	.00	.00	.00	.004	24	.06
21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00				.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	21	.02
22	.00	.00	.00	.00	.00	.00	.01	.05	.03	.03	.04	.02	.03	.01	.00			.01	.00	.00	.00	.00	.00	.00	.011	22	.15
23	.00	.00	.00	.00	.00	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.01	.002	24	.02
24*	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.01		.001	23	.02
25*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00	.00	.00	.00	.01	.01	.001	22	.01
26	.00	.00	.00	.00	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	24	.03
27	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00			.00	.00	.01	.01	.00	.00	.00	.01	.01	.01	.01	.01	.004	22	.03
28	.01	.01	.01	.01	.01	.01	.01	.02	.01	.01		.00	.00	.01	.00	.00	.00	.01	.01	.01	.02	.01	.03	.03	.010	23	.05
29	.02	.02	.02	.01				.01	.01	.02	.03	.03	.02	.01	.00	.00	.00	.00	.00						.012	16	.06
30									.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.01		.003	16	.07
31*	.01	.02	.02	.02	.02	.02	.01	.02	.05	.03	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.010	24	.08
MEAN	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.003		
NO	25	25	26	26	25	25	25	26	28	26	23	24	22	23	25	26	24	27	28	27	27	27	27	26		613	
MAX	.02	.03	.02	.02	.02	.02	.02	.05	.05	.05	.04	.03	.03	.03	.03	.01	.02	.03	.01	.01	.02	.02	.03	.03	.012		.15

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-45

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

WASHINGTON, D.C.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
SEPT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1*	.00	.00	.01	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.002	24	.04
2	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	24	.01
3	.01	.01	.02	.01	.02	.01	.03	.08	.03	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.010	24	.09
4	.01	.00	.00	.00					.04	.02	.01	.00	.00	.00	.00	.00	.00	.01	.03	.03	.02	.02	.01	.01	.010	20	.05
5	.01	.01	.00	.01	.01	.04	.03	.03	.03	.06	.11	.05	.07	.01	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.024	24	.17
6	.01	.01	.00	.00	.01	.02	.02		.04	.04	.01	.01	.01	.01	.01	.01	.02	.02	.01	.01	.02	.02	.01	.01	.014	23	.07
7*	.02	.02	.02	.02	.02	.03	.04	.03	.02	.02	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.03	.02	.03	.019	24	.08
8*	.02	.03	.02	.04	.04	.04	.04	.04	.05	.05	.04	.02	.02	.01	.01	.02	.02	.02	.02	.03	.03	.05	.03	.03	.029	24	.08
9	.03	.04	.04	.02	.03	.04	.05	.05	.05	.04	.03	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.023	24	.10
10	.02	.03	.02	.01	.02	.01	.02	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.03	.01	.01	.009	24	.07
11	.00	.00	.00	.00	.00	.01	.03	.03		.02	.02	.01	.01	.01	.00	.00	.02	.01	.01	.02	.02	.01	.01	.01	.011	23	.06
12	.00	.01	.01	.01	.02	.03	.03	.03	.02	.02	.01	.01	.00	.00	.00	.00	.00	.00	.00	.02	.03	.02	.03	.03	.014	24	.06
13	.02	.02	.03	.03	.03	.04	.05					.02	.01	.01	.01	.01	.01	.01	.01	.02				.03	.021	17	.07
14*	.03	.03	.02	.01						.01	.00	.00	.00	.00	.00	.00	.01	.00	.01	.01	.01	.02	.02	.02	.011	19	.06
15*	.02	.02	.02	.02	.02	.02	.02			.08					.02	.02	.01	.01	.01	.01	.02	.02	.01	.01	.020	18	.09
16	.00	.02	.02	.03	.02	.03	.03	.04	.03	.03	.04	.10	.06	.03	.06	.05	.02	.01	.01	.00	.01	.01	.03	.03	.030	24	.15
17	.03	.03	.02	.03	.02	.03	.05	.06	.05	.04	.03	.02	.03	.03	.03	.03	.03	.02	.02	.03	.03	.03	.03	.04	.031	24	.09
18	.03	.02	.02	.02	.03	.02	.03	.03	.01	.00		.00	.01	.01	.00	.00	.01	.01	.00	.00	.03	.04	.03	.01	.015	23	.07
19	.03	.02	.02	.02	.02	.02	.04					.02			.03	.02	.01	.01	.01	.03	.02	.01	.00	.01	.019	18	.06
20	.01	.02	.02	.03	.02	.02	.03	.04	.04	.02	.01	.02				.02	.03	.01	.01	.02	.02	.03	.03	.03	.022	21	.07
21*	.03	.03	.03	.02	.02	.03	.04	.03	.03	.04	.02	.02				.02	.02	.02	.02	.02	.03	.03	.02	.01	.025	21	.07
22*	.01	.01	.01	.02	.01	.02	.02	.02	.03	.05	.03	.02	.02	.03	.03	.03	.04	.02	.02	.02	.02	.02	.02	.03	.023	24	.07
23	.02	.01	.01	.01	.01	.01	.03	.05	.04	.06	.04	.02	.04	.04	.03	.05	.04	.02	.02	.03	.04	.03	.02	.02	.028	24	.09
24	.02	.02	.02	.01	.01	.02	.03	.02		.04	.02	.02	.03	.04	.04	.02	.02	.01	.02	.03		.01	.02	.02	.021	22	.08
25	.01	.01	.02	.02	.03	.03	.01	.01	.03	.01	.01	.02	.03		.01	.01	.01	.01	.02	.02	.02	.01	.02	.02	.016	23	.08
26	.01	.01	.03	.02	.01	.01	.04	.05	.03	.03	.02	.02	.01		.01	.02	.02			.03	.03	.03	.02	.02	.021	21	.08
27	.02	.01	.01	.01	.01	.03	.05	.04	.04	.03	.02	.01		.00	.01	.01	.01	.01	.01	.05	.05	.03	.02	.02	.021	23	.08
28*	.02	.01	.01	.01	.01	.01	.02	.02	.02	.01	.01	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.02	.02	.010	24	.04
29*	.02	.02	.01	.01	.01	.00	.00	.01	.02	.03	.03	.02	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.02	.009	24	.06
30	.02	.03	.02	.03	.02	.02	.02	.05	.03	.02	.01	.00	.01	.00	.01	.00	.00	.01	.03	.02	.02	.02	.02	.05	.019	24	.08
MEAN	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.02	.02	.02	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.017		
NO	30	30	30	30	28	28	28	24	24	28	26	29	25	24	28	30	30	29	29	30	28	29	29	30		676	
MAX	.03	.04	.04	.04	.04	.04	.05	.08	.05	.08	.11	.10	.07	.04	.06	.05	.04	.02	.03	.05	.05	.05	.03	.05	.031		.17

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-46

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

WASHINGTON, D.C.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
OCT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	.01	.01	.01	.04	.04	.01	.06	.05	.04	.05	.01	.01	.00	.00	.01	.02	.01	.00	.01	.00	.00	.00	.00	.00	.016	24	.11
2	.01	.00	.00	.01	.01	.01	.01	.04	.02	.02	.08	.05	.01	.01	.01	.01	.02	.00	.00	.01	.03	.00	.01	.03	.017	24	.12
3	.00	.02	.01	.00	.01	.02	.04	.03	.04	.01	.03	.02	.01	.01	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.009	24	.05
4	.00	.00	.00	.00	.00	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.02	.02	.01	.03	.006	24	.05
5*	.02	.03	.02	.00	.01	.01	.02	.01	.02	.01	.00	.00	.00	.00	.00	.00	.00	.00	.01	.02	.02				.010	21	.07
6*					.04	.05	.06	.08	.07	.04	.01	.00	.00	.00	.00	.00	.01	.02	.02	.00	.00	.00	.01	.00	.021	20	.11
7	.00	.00	.00	.00	.00	.02	.04	.03	.05	.02	.00	.00	.01	.01	.02	.01	.00	.01	.01	.02	.02	.02	.03	.02	.014	24	.08
8	.01	.01	.01	.02	.02	.03	.09	.06	.02	.01	.00	.00	.00	.00	.00	.00	.00	.01	.01	.02	.02	.04	.03	.03	.018	24	.10
9	.03	.03	.02	.02	.01	.01	.01	.01	.01	.01	.02	.00		.01	.01	.00	.01	.01	.01	.01	.01	.00	.01	.01	.011	23	.07
10	.01	.01	.00	.00	.01	.01	.01	.02	.02	.02	.02	.01	.00	.01	.00	.00	.03	.02	.00	.00	.00	.00	.01	.00	.008	24	.06
11	.02	.01	.00	.00	.00	.01	.02	.02	.01	.00	.02	.04	.03	.01	.01	.00	.01	.01	.00	.04	.01	.01	.02	.01	.012	24	.10
12*																											
13*																											
14																											
15																											
16																											
17																											
18																											
19*																											
20*																											
21																											
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23																											
24																											
25																											
26*																											
27*																											
28																											
29																											
30																											
31																											
MEAN	10	10	10	10	11	11	11	11	11	11	11	11	10	11	11	11	11	11	11	11	11	10	10	10		256	
NO	.03	.03	.02	.04	.04	.05	.09	.08	.07	.05	.08	.05	.03	.01	.02	.02	.03	.02	.02	.04	.03	.04	.03	.03	.021		.12
MAX																											

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-47

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

WASHINGTON, D.C.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
NOV. 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1 2* 3* 4 5																											
6 7 8 9* 10*																											
11 12 13 14 15																											
16* 17* 18 19 20																											
21 22 23* 24* 25																											
26 27 28 29 30*																											
MEAN NO MAX																									.000		.00

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-48

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

WASHINGTON, D.C.

SULFUR DIOXIDE
DEC. 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1*																											
2																											
3																											
4																											
5																											
6																											
7*																											
8*																											
9																											
10																											
11																											
12																											
13	.06	.06	.06	.06	.06	.06	.09	.08	.11	.09	.09	.07	.09	.10	.11	.09	.06	.08	.12	.12	.07	.07	.06	.06	.084	13	.18
14*	.04	.03	.03	.03	.03	.04	.03	.02	.03	.03	.03	.07	.03	.06	.06	.04	.03	.03	.06	.04	.04	.03	.04	.04	.057	24	.16
15*	.03	.04	.03	.03	.03	.04	.04	.04	.04	.04	.04	.04	.04	.03	.03	.03	.03	.03	.04	.03	.04	.03	.04	.05	.035	24	.07
16	.06	.05	.04	.04	.04	.05	.06	.08	.09	.06	.06	.05	.05	.05	.05	.06	.07	.06	.05	.06	.07	.06	.06	.06	.056	24	.10
17	.07	.07	.04	.03	.05	.08	.06	.10	.10		.04	.05	.04	.04	.04	.04	.05	.06	.07	.07	.07	.08	.07	.08	.061	23	.13
18	.08	.07	.06	.07	.08	.10	.09	.09	.10	.10	.12	.09	.09	.07	.08	.11	.07	.06	.07	.06	.08	.10	.10	.11	.086	24	.17
19	.10	.09	.07	.08	.09	.10	.10	.12	.13	.14	.12	.10	.09	.10	.07	.05	.07	.13	.10	.11	.09	.09	.10	.12	.098	24	.20
20	.08	.08	.07	.07	.09	.12	.12	.10	.12	.14	.13	.10	.09	.04	.05	.05	.04	.05	.05	.05	.06	.06	.06	.05	.077	24	.19
21*	.05	.04	.04	.04	.04	.06	.06	.06	.06	.06	.05	.05	.05	.05	.05	.05	.05	.05	.05	.06	.06	.06	.08	.11	.054	24	.17
22*	.09	.08	.10	.11	.11	.12	.10	.08	.07	.10	.10	.10	.09	.07	.06	.07	.07	.07	.05	.05	.05	.04	.05	.06	.078	24	.16
23	.04	.04	.04	.05	.06	.06	.05	.04	.05	.03	.05	.05	.05	.05	.04	.03	.04	.05	.06	.08	.06	.06	.06	.05	.048	24	.13
24	.03	.05	.04	.04	.09	.04	.06	.06	.06			.04	.03	.04	.04	.06	.06	.05	.05	.04					.046	18	.09
25																											
26																											
27									.05	.07	.08	.06	.09	.09	.08	.07	.07	.06	.05	.06	.06	.06	.05	.04	.064	16	.12
28*	.06	.06	.04	.05							.06	.13	.10	.06	.10	.08	.06	.06	.09	.09	.09	.10	.09	.05	.083	14	.20
29*	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.04	.02	.02	.03	.02	.02	.01	.01	.03	.02	.02	.02	.03	.029	16	.08
30	.05	.05	.04	.05	.05	.05	.07	.08	.07	.08		.05	.04	.03	.03	.03	.03	.04	.04	.04	.04	.05	.05	.05	.036	24	.08
31													.05	.05	.07	.09	.10	.08							.062	17	.13
MEAN												.06	.06	.05	.06	.05	.05	.06	.06	.06	.06	.06	.06	.06	.060		
NO	15	15	15	15	14	14	14	14	15	13	14	17	18	18	18	18	18	18	17	17	16	16	16	16		381	
MAX	.10	.09	.10	.11	.11	.12	.12	.12	.13	.14	.13	.13	.10	.10	.11	.11	.10	.13	.12	.12	.09	.10	.10	.12	.098		.20

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-49

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

WASHINGTON, D.C.

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
JAN. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN MAX
1	2.1		2.1	2.2	2.2	2.1	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.3	2.3	2.4	2.4	2.5	2.5	2.5	2.19	23	2.6
2																											
3																											
4		2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.2	2.02	23	2.2
5	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3			2.4	2.3	2.3	2.2	2.2	3.0	3.4	3.4	3.5	3.7	3.8	3.8	3.7	3.6	2.76	22	3.8
6*	3.5	3.4	4.2	4.5	3.9	3.5	3.3	3.3	3.2	3.3	3.3	3.2	3.2	3.2	3.1	3.0	3.0	3.0	3.0	2.8	2.8	2.7	2.6	2.6	3.22	24	4.9
7*	2.6	4.6	2.6	2.6	2.6	2.6	2.6	2.7	2.7	2.6	2.6	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.9	2.9	2.9	3.0	3.0	3.0	2.73	24	3.0
8	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1			3.0	3.0	2.9	2.6	2.5	2.8	3.2	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.07	22	3.4
9	3.4	3.4	3.4	3.3	3.2	3.2	3.2	3.3	3.4	3.4	3.3	3.3	3.2	3.1	3.1	3.0	3.0	3.1	3.0	3.0	2.9	2.9	2.9	2.9	3.16	24	3.4
10	2.9	2.9	2.9	2.8	2.8	2.9	3.0	3.1	2.7	3.0	3.2	3.0	3.0	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.94	24	3.3
11	3.0	2.9	2.9	2.9	2.9	2.8	2.9	3.0	3.0	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.1	3.2	3.2	3.2	3.2	3.2	3.3	3.2	3.07	24	3.5
12																											
13*																											
14*		2.2	2.1	2.0	2.0	2.0	1.9	1.9	1.9	1.8	1.9	2.0	2.1	2.1	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.04	23	2.7
15	2.1	2.1	2.1	2.2	2.1	2.2	2.3	2.3	2.4	2.4	2.5	2.4	2.4	2.4	2.4	2.5	2.5	2.7	2.6	2.5	2.5	2.4	2.3	2.2	2.34	24	2.7
16	2.2	2.2	2.2	2.3	2.3	2.3	2.4	2.5	2.6			2.5	2.8	3.0	2.7	2.7	2.7	2.6	2.7	2.7	2.7	2.7	2.7	2.7	2.54	22	3.1
17	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.7	2.7	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.7	2.7	2.68	24	2.8
18	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6								4.0	3.9	4.6	5.6	6.2	7.0	7.7	7.8	7.0	4.39	17	8.2
19	6.9	7.6	7.1	6.2	5.7	5.4	5.8	5.7	5.1	5.3	5.6	5.5	4.4	3.6											5.70	14	7.9
20*																											
21*	6.2	6.6	6.5	6.1	4.9	4.3	4.1	4.0	4.4	4.4	3.8	3.4	3.1	2.9	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.9	3.0	2.9	3.86	24	7.0
22	2.9	2.9	3.4	3.8	4.2	4.5	5.5	5.7	5.8	5.4	4.7	4.2	3.6	3.3	3.2	3.1	3.2	3.2	3.3	3.3	3.5	3.4	3.2	3.3	3.85	24	6.1
23	3.3	3.4	3.3	3.2	3.1	3.2	3.4	3.5	3.8	3.9	3.8	3.6	3.6	3.5			3.2	3.2	3.0	2.6	2.5	2.5	2.5	2.5	3.19	22	3.9
24	2.5	2.6	2.6	2.7	2.7	2.7	2.8	3.0	3.0	2.9	2.8	2.9	2.8	2.9	2.9	3.0	3.1	3.0	2.9	2.9	2.9	2.8	2.8	2.8	2.82	24	3.5
25	2.8	2.8	2.7	2.7	2.7	2.7	2.9	3.0	3.1	2.8	2.8	2.8	2.9	2.9	2.8	2.9	3.1	3.2	3.0	3.0	3.0	3.2	3.2	3.4	2.92	24	3.6
26	3.1	3.1	3.1	3.1	3.1	3.0	3.1	3.3	3.4	3.2	3.2	3.1	3.2			3.2	3.1	3.1	3.2	3.2	3.2	3.3	3.3	3.3	3.16	22	3.5
27*																											
28*																											
29																											
30	2.7	2.8	2.6	2.5	2.4	3.6	3.7	4.4	3.5	3.7	3.5	2.9	2.8	2.9	3.6	4.1	4.3	4.6	4.2	3.6	3.6	3.7	3.9	3.9	3.47	24	5.3
31	3.9	3.9	3.9	3.9	3.9	3.9	4.0	4.1	3.2	2.5	2.4	2.5	2.5	2.5	2.4	2.5	2.9	2.9	2.7	2.6	2.3	2.4	2.3	2.2	3.00	24	4.2
MEAN	3.2	3.2	3.1	3.1	3.0	3.0	3.1	3.2	3.2	3.2	3.1	3.0	2.9	2.8	2.7	2.9	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.03		
NO	21	22	23	23	23	23	23	23	20	19	21	22	22	21	19	21	22	22	22	22	22	22	22	22		522	
MAX	6.9	7.6	7.1	6.2	5.7	5.4	5.8	5.7	5.8	5.4	5.6	5.5	4.4	3.6	3.6	4.1	4.3	4.6	5.6	6.2	7.0	7.7	7.8	7.0	5.70		8.2

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-50

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

WASHINGTON, D.C.

TOTAL HYDROCARBON
FEB. 1968

DAY OF MONTH	A M												P M												DAILY MEAN	NO OF HRS	5-MIN MAX
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12			
1	2.1	2.1	2.2	2.3	2.2	2.2	2.2	2.3	2.3	2.3	2.2			2.5	2.4	2.5	2.7	2.7	2.1	2.1	3.0	2.8	2.9	2.7	2.44	22	4.0
2	2.6	2.7	2.3	2.3	2.4	2.4	2.6	2.7	2.9	2.6	2.5	2.6	2.7	3.2	3.1	3.3	3.4	3.7	3.0	2.5	2.4	2.1	2.2	2.3	2.70	24	4.3
3*	2.3	2.3	2.3	2.2	2.2	2.1	2.3	2.5	2.5	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.3	2.2	2.6	2.3	2.3	2.31	24	3.5
4*	2.3	2.2	2.2	2.2	2.2	2.3	2.4	2.4	2.3	2.2	2.2	2.3	2.3	2.5	2.4	2.5	2.5	2.6	2.6	2.6	2.5	2.6	2.6	2.6	2.39	24	2.8
5	2.5	2.4	2.5	2.5	2.5	4.6	2.6	2.8	2.8	2.7	2.7	2.6	2.7	2.7	2.7	2.8	3.0	3.2	3.1	3.1	3.1	3.1	3.0	2.9	2.76	24	3.3
6	2.9	2.7	2.8	2.7	2.7	2.8	2.9	3.2	3.1	2.7			2.4	1.9	1.8	1.9	1.9	2.4	2.3	2.7	3.7	4.0	5.1	13.5	3.26	22	14.9
7	10.3	6.8	6.7	5.4	4.2	5.5	4.4	5.1	3.3	2.2	2.1	2.2	2.1	2.0	2.0	2.0	2.1	2.4	2.3	2.1	2.1	2.1	2.0	2.0	3.46	24	14.3
8	1.9	1.8	1.7	1.7	1.7	1.7	1.9	2.1	2.1	1.9	1.9	1.9	1.8	1.8	1.9	1.9	2.1	2.2	2.3	2.3	2.1	2.1	2.7	2.1	1.98	24	4.7
9	2.1	2.1	2.1	2.0	2.0	1.9	2.0	2.2	2.3			1.9	1.9	1.9	2.0	2.0	2.1	2.2	2.0	2.1	2.0	2.0	2.1	1.8	2.02	22	2.9
10*	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.8	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.83	24	2.7
11*	1.9	1.9	1.9	1.8	1.8	1.8	1.9	1.9	1.9	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	1.9	2.0	1.90	24	2.7
12	2.0	2.0	2.1	2.0	1.9	2.0	2.1	2.3	2.5	2.1		2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.0	2.0	2.0	1.9	2.0	2.04	23	2.9
13	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.1	2.2			3.1	3.1	2.6	2.3	2.3	2.2	2.1	2.2	2.1	2.1	2.1	2.1	2.1	2.17	22	3.1
14	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.3	2.5	2.3	2.2	2.3	2.3	2.3	2.3	2.3	2.4	2.7	2.5	2.4	2.4	2.4	2.2	2.2	2.24	24	3.1
15	2.4	2.6	2.3	2.7	3.2	3.4	3.6	4.4	3.2	4.0	2.8	2.5	2.4	2.3	2.2	2.2	2.1	2.0	2.0	1.9	2.0	2.0	1.9	1.8	2.57	24	6.1
16	1.8	1.8	1.9	1.8	1.8	1.9	2.1	2.5	2.7	2.3			2.5	2.3	2.2	2.3	2.4	2.8	2.8	3.1	2.8	2.5	2.7	4.7	2.42	22	9.2
17*	3.0	2.7	2.8	3.1	2.8	2.9	2.2	2.3	2.3	2.3	2.1	2.1	2.0	1.9	1.9	1.9	1.9	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.25	24	4.1
18*	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.2	2.2	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.2	2.3	2.2	2.3	2.3	2.3	2.2	2.12	24	2.6
19	2.2	2.1	2.1	2.1	2.1	2.2	2.3	2.5	2.5	2.3	2.3	2.3	2.2	2.2	2.3	2.5	2.3	2.5	2.5	2.6	2.8	2.6	3.8	5.4	2.51	24	7.6
20	4.7	4.0	3.4	3.6	3.7	3.0	3.1	4.4	4.3	2.7	2.2	2.3	2.2	2.1			2.7	2.6	2.3	2.1	2.1				2.99	19	6.2
21	2.0	2.0	2.1	2.1	2.1	2.1	2.2	2.4			2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.5	2.4	2.4	2.3	2.2	2.1	2.0	2.22	22	2.7
22	2.0	1.9	1.9	1.9	1.9	1.9	2.0	2.1	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.1	2.0	2.0	2.0	1.97	24	2.3
23	2.0	1.8	1.9	1.8	1.8	1.9	2.1	2.4	2.1	2.1	2.6	2.1	2.0	2.1	2.2	2.0	2.1	2.3	2.4	2.8	2.9	2.8	2.7	2.8	2.24	24	4.2
24*	2.7	2.3	2.3	2.4	2.3	2.2	2.3	2.4	2.1	2.0	2.1	2.0	1.9	1.8	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.2	2.09	24	3.0
25*	2.0	1.9	1.9	1.8	1.9	1.9	1.9	1.9	1.8	1.9	1.8	1.9	1.8	1.8	1.9	1.8	1.7	1.9	2.2	2.1	2.0	2.0	2.0	2.0	1.89	24	2.9
26	1.9	1.8	1.8	1.8	1.9	1.9	2.0	2.3	2.3	2.2	2.0	2.0	1.9	1.9	1.8	1.9	1.9	2.1	2.2	2.2	2.5	5.2	5.4	4.5	2.38	24	6.1
27																											
28						3.8	3.4	4.2	3.3	3.1	2.2	1.8	1.8	1.7	1.5	1.7	2.0	2.0	2.2	2.4	2.8	2.9	2.3	2.2	2.47	19	5.7
29	2.5	3.2	2.1	1.9	1.8	1.6	1.7	2.3	2.1	1.9	1.7	1.9	2.2	2.3	2.2	1.9	2.4	2.1	2.0	1.8	1.6	1.4	1.3	1.2	1.93	24	4.8
MEAN	2.6	2.4	2.3	2.3	2.2	2.3	2.3	2.6	2.5	2.3	2.2	2.2	2.2	2.1	2.1	2.1	2.2	2.3	2.3	2.3	2.3	2.4	2.5	2.9	2.33		
NO	27	27	27	27	27	28	28	28	27	25	23	25	27	28	27	27	28	28	28	28	28	27	27	27		649	
MAX	10.3	6.8	6.7	5.4	4.2	5.5	4.4	5.1	3.3	4.0	2.8	3.1	3.1	3.2	3.7	3.3	3.4	3.7	3.1	3.1	3.7	5.2	5.4	13.5	3.46		14.9

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-51

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

WASHINGTON, D.C.

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
MARCH 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX.
1	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.4	1.6			1.5	1.5	1.5	1.6	1.6	1.7	1.8	1.6	1.6	1.6	1.8	1.8	1.7	1.49	22	2.1
2*	1.8	1.7	1.7	1.8	2.0	2.0	1.9	2.0	2.0	1.8	1.8	1.8	1.9	1.8	1.8	1.7	1.8	1.7	1.7	1.8	1.8	1.7	2.4	1.7	1.82	24	4.2
3*	1.7	1.7	1.7	1.6	1.6	1.6	1.7	1.8	1.7	1.8	1.9	1.8	1.8	1.9	1.8	1.8	1.8	1.9	1.9	1.9	1.9	2.0	1.9	1.9	1.79	24	2.2
4	1.9	1.9	1.9	1.9	1.8	1.9	2.0	2.2	2.2	2.0	2.0	2.0	2.0	2.0	2.0	1.9	2.1	2.0	1.9	2.2	2.2	2.1	2.1	2.0	2.00	24	2.4
5	2.0	2.0	2.1	2.1	2.6	2.1	2.5	3.1	2.5	2.2	2.1	2.1	2.0	2.1		1.9	2.1	2.6	3.2	4.6	4.5	3.8	2.8	2.6	2.57	23	6.4
6	3.1	2.4	2.6	2.6	2.7	2.4	2.3	2.7	2.7	2.6	2.2	2.2	2.2	2.1	2.0	2.2	2.2	2.1	2.1	1.8	1.7	1.7	1.7	1.7	2.24	24	3.5
7	1.7	1.7	1.6	1.7	1.7	1.7	1.8	2.0	1.9	2.0	2.1	1.7	1.7	1.6	1.7	1.7	1.9	1.9	1.8	1.9	2.5	2.4	2.5	2.8	1.91	24	3.5
8	2.2	2.6	1.9	1.9	1.9	2.0	2.1	2.3	2.3	2.1	1.9			3.3	3.2	2.7	1.6	2.0	2.4	2.3	2.0	4.0	2.1	4.7	2.47	22	7.6
9*	4.2	2.6	2.9	2.9	2.8	2.5	2.8	2.8	2.8	2.1	2.0	1.9	1.8	1.6	1.8	1.6	2.1	1.7	3.6	4.4	5.5	5.3	3.1	2.3	2.78	24	6.3
10*	2.2	2.1	2.1	2.0	1.9	2.0	1.9	2.4	2.2	1.9	2.0	2.4	2.4	2.2	1.9	1.8	1.9	2.0	1.9	2.1	2.0	2.2	2.0	2.0	2.03	24	3.3
11	2.1	1.9	1.7	1.3	1.3	1.3	1.5	1.8	1.7				2.0	1.9	1.8	2.0	1.6	1.6	1.7	2.1	1.5	1.5	1.6	1.7	1.67	21	2.2
12	1.7	1.6	1.4	1.4	1.5	1.7	1.8	2.0	2.3	2.3	2.0	1.6	1.8			2.9	2.7	2.7	2.8	2.7	3.0	3.0	2.1	2.1	2.13	22	4.0
13	2.0	2.4	2.2	2.0	1.9	1.8	2.1	2.0	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9	2.0	1.9	1.9	2.0	2.0	2.0	1.92	24	2.6
14	2.0	1.9	1.9	2.0	2.0	2.0	2.2	2.3	2.3	2.2	2.2	2.1	2.1	2.0	2.1	2.1	2.2	2.3	2.4	2.7	2.9	3.4	3.4	2.2	2.27	24	4.4
15	2.1	2.2	2.1	2.0	2.0	1.9	2.3	2.5	2.4	2.2	2.1	2.1	2.0			1.9	2.1	2.0	2.0	2.1	2.1	1.8	2.0	2.3	2.09	22	3.0
16*	2.5	2.4	2.4	2.4	2.2	2.1	2.2	2.4	2.4	2.0	1.9	2.0	1.9	1.8	1.9	1.7	1.8	1.7	1.7	1.7	1.8	1.6	1.7	1.7	1.98	24	3.0
17*	1.7	2.0	2.1	2.0	1.9	1.8	1.8	1.9	1.9	2.0	1.9	2.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.83	24	2.3
18	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.9	1.9	1.8	1.8	1.8	1.8	1.9	1.9	1.9	2.0	2.0	1.9	1.8	1.9	1.8	1.9	1.8	1.80	24	2.5
19	2.0	1.9	1.9	1.9	1.9	1.9	2.2	2.5	2.2	2.0	1.9	1.9	2.0			2.1	2.0	2.3	2.2	2.2	2.3	2.5	2.7	2.4	2.12	22	3.7
20	2.3	2.3	2.1	2.2	2.2	2.2	2.4	2.4	2.6	2.3	2.0	1.9	2.0	1.9	1.9	2.0	2.2	2.2	2.1	2.5	2.0	1.8	1.7	2.2	2.12	24	3.3
21	1.6	1.5	1.7	1.6	1.7	1.6	1.8	2.4	2.6	2.8	3.1	3.1	3.1	2.5	3.0	2.7	2.1	2.8	1.8	2.0	2.0	2.0	2.2	2.4	2.25	24	3.6
22	2.2	2.2	2.8	2.7	1.9	1.9	2.6	3.1	3.1	2.6	2.1		1.9	1.7	1.7	2.0	2.1	1.6	1.4	1.5	1.4	1.4	1.3	1.2	2.00	23	4.2
23*	1.2	1.1	1.1	1.1	1.0	1.0	1.0	1.1	1.3	1.4	1.5	1.3	1.3	1.3	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.15	24	3.0
24*	1.2	1.1	1.1	1.0	1.1	1.1	1.1	1.1	1.0	1.1	1.1	1.2	1.1	1.2	1.1	1.1	1.1	1.1	1.2	1.3	1.3	1.3	1.4	1.4	1.14	24	1.7
25	1.4	1.4	1.4	1.4	1.4	1.4	1.6	1.8	1.8	1.6	1.4	1.3	1.3	1.2	1.2	1.3	1.5	1.8	1.4	1.5	1.3	1.5	1.4	1.3	1.43	24	2.2
26	1.6	1.3	1.1	1.6	1.3	1.4	1.6	1.6	1.8	1.6	1.4	1.4	1.2				1.6	1.5	1.6	1.5	1.5	1.5	1.5	1.5	1.46	23	2.2
27	1.6	1.8	2.3	3.0	3.4	2.7	2.8	3.4	4.1	4.8	4.1	3.1	2.0	1.8	1.8	1.9	2.0	2.4	4.0	6.6	6.3	4.2	2.7	2.3	3.11	24	11.8
28	2.3	2.3	2.4	2.3	2.4	2.9	3.5	3.5	3.6	3.7	3.7	3.5	2.2	1.9	2.3	1.9	2.0	2.3	2.6	3.3	4.0	4.9	4.5	3.1	2.95	24	7.3
29	5.2	3.7	3.8	4.3	3.8	3.1	3.6	4.0	5.1	4.1	2.3	2.1	2.0			2.3	2.3	2.8	3.0	2.8	2.1	2.2	2.0	1.9	3.11	22	6.7
30*	1.9	1.8	1.7	1.6	1.7	1.8	1.8	1.7	1.7	1.8	1.7	1.7	1.6	1.7	1.8	1.8	1.9	1.9	2.0	2.1	1.9	2.0	2.0	2.2	1.81	24	2.5
31*	2.1	2.0	2.0	1.9	1.9	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.9	1.9	2.0	2.2	2.0	2.2	2.3	2.1	1.7	1.7	1.93	24	2.6
MEAN	2.1	1.9	1.9	2.0	1.9	1.9	2.0	2.2	2.3	2.2	2.1	2.0	1.9	1.9	1.9	1.9	1.9	2.0	2.1	2.3	2.3	2.3	2.1	2.0	2.04		
NO.	31	31	31	31	31	31	31	31	31	29	29	28	30	26	25	30	31	31	31	31	31	31	31	31		724	
MAX.	5.2	3.7	3.8	4.3	3.8	3.1	3.6	4.0	5.1	4.8	4.1	3.5	3.1	3.3	3.2	2.9	2.7	2.8	4.0	6.6	6.3	5.3	4.5	4.7	3.11		11.8

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-52

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

WASHINGTON, D.C.

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
APRIL 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN MAX.
1	1.8		1.7	1.6	1.5	1.6	1.6	1.7	1.6	1.6	1.7	1.8	1.7	1.7	1.7	1.6	1.6	1.8	1.6	1.9	1.9	1.9	2.0	1.9	1.76	23	2.1
2	1.9	2.0	2.1	2.0	2.1	2.2	2.5	2.5	2.3	2.5	1.7	2.0	1.8	1.8	1.8	1.9	2.1	2.1	2.1	2.4	2.4	2.1	1.9	1.9	2.08	23	3.0
3	1.8	1.7	1.7	1.7	1.7	1.7	1.8	2.1	2.1	1.9	1.9	1.9	1.7	1.7	1.7	1.7	1.9	2.0	1.7	1.7	1.6	1.6	1.6	1.5	1.76	24	2.9
4	1.6	1.5	1.6	1.5	1.5	1.5	1.5	1.7	1.8	1.7	1.4	1.5	1.4	1.3	1.4	1.6	2.0	2.1	1.8	1.9	1.9	2.5	4.7	2.5	1.81	24	9.3
5	1.5	1.5	1.5	1.4	1.7	1.7	1.9	2.1	2.2	2.1	2.0	2.0	2.1	2.1		2.0	1.9	1.7	1.8	1.8	1.8	1.8	1.9	1.9	1.82	23	2.7
6*	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.7	1.7	1.7	1.8	1.7	1.7	1.7	1.7	1.9	1.8	1.9	2.0	1.9	1.8	1.76	24	2.1
7*	1.8	1.9	1.9	2.0	1.9	1.9	2.0	2.1	1.9	1.8	1.8	1.9	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.7	1.81	24	2.5
8	1.7	1.6	1.7	1.6	1.7	1.7	1.9	2.3			2.1	2.5	2.2	2.4	2.5	3.8	4.2	3.0	2.1	2.3	2.8	3.0	2.8	3.5	2.41	22	5.6
9	3.8	3.8	3.4	2.6	2.5	4.7	3.0	2.6	2.0	2.0	2.0	1.9	1.9	2.0	2.0	2.0	2.0	2.1	2.1	2.2	2.0	2.0	2.0	2.2	2.35	24	5.3
10	2.1	2.3	3.0	2.4	2.5	2.4	2.7			3.3	2.8	2.4	2.1	2.1	2.0	2.1	2.3	2.5	2.4	2.0	1.9	1.9	2.1	2.1	2.33	22	5.2
11	2.0	1.9	2.0	2.0	2.1	2.6	2.2	2.3	2.3	2.1	1.9	1.9	1.9			2.1	2.1	2.2	2.2	2.5	2.9	3.4	3.7	7.4	2.51	22	8.4
12	5.7	3.0	2.8	3.2	11.3	7.0	4.7	3.2	2.9	3.0	2.6	2.5	2.3	2.2	2.1	2.1	2.0	2.2	2.1	2.3	2.4	2.3	2.6	2.7	3.28	24	14.3
13*	3.0	2.7	2.9	2.6	2.8	2.8	2.6	2.4			2.1	2.0	1.8	1.8	1.8	1.9	1.8	1.9	2.3	2.6	2.8	2.7	2.9	3.8	2.42	22	4.3
14*	5.2	5.8	5.6	5.5	6.4	11.2	10.7	4.5	4.6	6.3	3.6	1.8	1.8	1.7	1.8	1.8	1.8	1.7	1.6	1.6	1.7	1.3	1.3	1.4	3.77	24	18.6
15	1.4	1.4	1.4	1.6	1.4	1.4	1.6	1.7	2.0	1.9	1.9	1.7				1.7	1.7	1.7	1.6	1.7	1.7	1.7	1.7	1.7	1.64	21	2.5
16	1.8	1.7	1.7	1.6	1.6	1.7	1.8	1.8	1.7	1.6	1.6	1.6	1.6	1.6			1.8	1.9	1.9	1.9	4.7	3.0	3.0	2.7	1.92	22	3.4
17	2.1	1.9	2.1	2.1	2.1	2.1	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.7	1.8	1.8	1.8	1.8	1.9	2.3	2.1	1.7	1.6	1.89	24	2.8
18	1.6	1.7	1.5	1.6	1.6	1.7	1.9	1.8	2.1	1.9	1.8	1.7	1.7	1.7	1.7	1.6	1.7	1.7	1.9	2.3	2.4	2.6	2.5	2.6	1.88	24	3.9
19	1.8	1.8	2.6	3.1	3.0	2.3	2.9	2.4	1.9	1.9	1.7	1.7	1.6	1.7	1.6	1.7	1.7	1.8	2.0	2.4	2.4	3.3	2.6	2.7	2.18	24	4.0
20*	2.1	1.9	1.9	1.8	1.7	1.8	1.8	1.7	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.6	1.7	1.8	1.6	1.6	1.5	1.6	1.5	1.5	1.65	24	2.5
21*	1.6	2.0	1.6	1.5	1.6	1.8	1.7	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.4	1.3	1.4	1.4	1.5	1.5	1.4	1.4	1.4	1.5	1.47	24	2.7
22	1.5	1.4	1.4	1.5	1.5	1.9	2.3	1.5	1.6	1.5	1.5	1.5	1.5	1.5	1.4	1.5	1.5	1.5	1.5		1.5	1.5	1.4	1.4	1.52	23	2.7
23	1.4	1.3	1.3	1.3	1.3	1.4	1.4	1.6	1.6	1.4	1.8	1.9	2.0												1.51	13	2.6
24	1.8	1.8	1.7	1.7	1.8	1.7		2.4	2.6			2.4	2.5	2.7	2.3	2.4	2.2	2.2	1.6	1.6	1.7	2.3	2.5	1.2	2.04	21	3.5
25	1.0	1.2	1.2	1.3	1.5	1.6	1.7	1.7	1.6	1.6	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.53	24	2.2
26	1.7	1.6	2.5	2.1	1.7	2.2	1.9	1.7	1.9	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.7	1.73	24	3.5
27*	1.6	1.6	1.6	1.5	1.5	1.6	1.7	1.7	1.7	2.3	2.1	1.7	1.9	2.0	1.5	1.6	1.7	1.7	1.9	2.1	2.1	2.8	3.4	3.7	1.95	24	4.8
28*																											
29									2.2	1.7	1.9	1.9	2.0	1.9	1.9	1.9	1.9	1.8	1.7	1.8	1.8	1.7	1.6	1.6	1.83	16	2.6
30	1.7	1.6	1.7	1.6	2.1	2.4	2.6	2.3	1.8	1.8	1.7	1.8	1.7	1.7	1.6	1.7	1.8	1.5	1.4	1.5	1.5	1.6	1.4	1.4	1.73	24	3.2
MEAN	2.1	2.0	2.1	2.0	2.3	2.4	2.4	2.1	2.4	2.1	1.9	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.8	1.9	2.0	2.1	2.2	2.2	2.02		
NO	28	27	28	28	28	28	27	27	26	26	27	29	28	26	24	27	28	28	28	27	28	28	28	28		657	
MAX	5.7	5.8	5.6	5.5	11.3	11.2	10.7	4.5	4.6	6.3	3.6	2.5	2.5	2.7	2.5	3.8	4.2	3.0	2.4	2.6	2.9	3.4	4.7	7.4	3.77		18.6

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-53

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

WASHINGTON, D.C.

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
MAY 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN MAX.
1	1.3		1.1	1.4	1.5	1.6	2.1	1.9	1.7	1.6	1.5	1.5	1.5	1.4	1.5	1.6	1.6	1.5	1.7	2.4	1.8	1.9	1.7	1.4	1.61	23	2.9
2	1.4	1.5	1.5	1.4	1.6	1.7	1.8	1.8	1.6	1.6	1.6	1.6	1.5	1.7	1.6	1.6	1.6	1.7	1.8	2.0	2.0	2.0	2.4	2.4	1.81	24	3.8
3	2.4	2.4	1.9	2.0	2.0	2.4	2.6	3.2	2.9	2.5	2.5	2.2	1.9	1.8	2.2	2.4	2.7	3.0	3.3	2.1	3.4	3.0	2.6	2.2	2.47	24	4.6
4*	2.0	3.4	2.9	1.8	2.0	2.4	1.9	1.8	1.9	1.9	1.7	1.7	1.7	1.7	1.6	1.8	1.8	1.9	2.3	3.2	2.7	2.0	2.1	1.7	2.07	24	6.2
5*	1.7	1.9	1.8	1.9	2.0	1.7	1.7	1.8	1.8	1.7	1.7	1.7	1.8	1.7	1.8	1.8	1.7	1.8	1.6	1.7	1.7	1.6		1.6	1.74	23	3.0
6	1.7	1.7	1.8	1.8	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.9	1.9	2.0	2.1	2.3	2.2	2.0	1.9	1.86	24	2.4
7	2.0	2.2	2.3	2.3	2.0	2.8	3.3	2.2	2.0	1.9	2.0	1.9	1.9				1.9	1.9	2.0	2.2	2.9	4.1	5.0	7.1	2.65	21	7.9
8	7.4	4.7		4.1	4.1	3.1	2.6	2.9	3.1	3.0	2.9	2.2	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	2.0	2.74	23	8.3
9	1.9	1.9	2.0	1.9	1.9	1.9	2.1	2.3	2.4	2.1	2.0	2.2	2.0	2.0	1.9	2.0	2.2	2.1	2.0	2.1	2.4	2.4	2.3	2.2	2.08	24	2.8
10	2.1	2.2	2.3	2.4	2.6	2.2	2.6	2.9	2.6	2.2	2.1	2.2			2.1	2.0	1.9	1.8	1.9	2.9	4.8	3.5	3.2	2.4	2.47	22	5.7
11*	2.4	2.3	2.3	2.3	2.3	2.3	2.8	2.5	4.6	2.7	2.6	2.3	2.1	2.1	2.0	2.0	1.9	1.9	1.8	1.9	1.7	1.7	2.2	2.2	2.18	24	5.3
12*																											
13										2.2	2.2	2.1	2.0	2.0	2.0	2.0	2.0	1.9	1.8	1.9	1.9	1.8	1.8	1.8	1.95	15	2.4
14	2.0	1.8	1.8	1.9	1.8	1.9	2.1	2.1	1.9	1.9	1.8	1.9	1.9	1.9	2.0	2.1	2.3	2.3	2.3	2.4	2.4	2.3	2.2	2.1	2.03	24	2.8
15	1.9	2.0	1.9	2.1	1.9	1.9	2.3	2.5	2.2	2.1	2.2	2.0	2.1	2.1	2.2	2.2	2.4	2.3	2.0	2.1	2.0	2.0	2.2	1.9	2.09	24	3.1
16	1.8	1.9	1.9	1.5	1.8	1.9	2.1	2.4	1.9	2.0	2.0				2.7	3.4	2.5	2.3	2.6	3.3	3.4	3.2		4.2	2.43	20	8.8
17	2.6	1.7	1.5	1.5	2.2	3.2	2.8	2.2	1.6	1.9					2.2	2.1	2.1	2.0	2.0	2.8	3.6	2.2	1.9	1.9	2.18	20	5.3
18*	2.0	2.6	2.9	2.8	2.6	2.8	2.5	2.6	2.6	2.2	2.0	1.9	1.8	1.9	1.8	1.8	1.7	1.4	1.6	1.8	1.9	2.7	2.0	1.8	2.15	24	3.8
19*	1.9	1.9	1.8	1.7	1.8	1.9	1.8	1.8	1.7	1.5	1.5	1.2	1.3	1.3	1.2	1.7	1.7	1.7	2.0	1.8	1.7	1.7	1.6	1.6	1.64	24	2.7
20	1.5	1.4	1.6	1.6	1.4	1.6	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.7	1.6	1.6	1.6	1.6	1.7	1.8	2.0	2.0	1.63	24	2.3
21	2.1	1.7	1.6	1.7	2.0	2.4	2.5	2.5	1.7	1.6	1.6	1.6	1.6				2.0	1.3	1.3	1.6	1.7	1.7	1.6	1.6	1.75	21	3.0
22	1.4	1.4	1.4	1.3	1.3	1.5	1.7	1.6	1.4	1.3	1.3	1.2	1.2	1.1	1.3	1.4	1.4	1.2	1.4	1.8	1.9	1.9	3.5	4.6	1.63	24	4.9
23	3.2	2.8	2.2	1.7	1.4	1.5	1.9	1.8	1.6	1.6	1.6	1.5	1.9	2.2	1.9	2.2	2.1	1.7	1.6	1.5	1.4	3.0	2.9	1.6	1.94	24	6.1
24	1.6	2.4	2.7	1.7	1.8	2.1	2.7	2.7	2.3	2.0	1.4	1.4	1.3	1.2	1.1	1.1	1.2	1.1	1.3	1.2	1.1	1.1	1.2	1.3	1.62	24	4.0
25*	1.2	1.2	1.1	1.2	1.2	1.2	1.3	1.1	1.0	1.0	0.9	0.9	0.9	0.9	1.0	0.9	0.9	0.9	1.0	1.1	1.4	1.9	3.7	5.2	1.37	24	7.3
26*	3.5	2.9	2.7	7.8	10.8	9.3	6.1	3.4	1.4	1.5	1.1	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	0.9	1.0	0.9	0.9	0.9	2.58	24	12.2
27																											
28																											
29																											
30																											
31											1.2	1.2	1.1	1.1	1.1	1.3	1.2	1.1	1.1	1.3	1.4	1.5	1.5	1.6	1.25	14	1.8
MEAN	2.2	2.2	1.9	2.2	2.3	2.4	2.4	2.2	2.0	1.9	1.8	1.7	1.6	1.6	1.7	1.8	1.8	1.7	1.8	2.0	2.2	2.2	2.3	2.4	2.00		
NO.	24	23	23	24	24	24	24	24	24	25	25	24	23	21	24	24	26	26	26	26	26	26	24	26		586	
MAX.	7.4	4.7	2.9	7.8	10.8	9.3	6.1	3.4	3.1	3.0	2.6	2.3	2.1	2.2	2.7	3.4	2.7	3.0	3.3	3.3	4.8	4.1	5.0	7.1	2.74		12.2

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-54

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

WASHINGTON, D.C.

TOTAL HYDROCARBON
JUNE 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1*	1.7		1.6	1.9	1.8	1.7	1.8	1.4	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.1	1.2	1.2	1.3	1.3	1.2	1.2	1.2	1.3	1.31	23	2.2
2*	1.2	1.3	1.3	1.3	1.4	1.5	1.5	1.4	1.4	1.4	1.3	1.3	1.4	1.3	1.4	1.4	1.5	1.7	2.1	2.6	2.7	2.0	2.4	2.3	1.62	24	3.3
3	1.9	1.7	1.5	1.4	1.6	2.5	3.1	4.0	3.6	2.6	1.6	1.5	1.3	1.3	1.7	1.5	1.7	1.5	1.3	1.7	2.0	2.5	2.5	2.2	1.98	24	5.5
4	2.5	1.7	1.6	1.5	1.5	1.7	1.7	1.7	1.5	1.3	1.3	1.3	1.3	1.3	1.4	1.5	1.5	1.4	1.5	1.6	2.0	3.8	5.5	7.6	2.06	24	9.0
5	6.1	4.8	3.9	5.2	3.7	9.1	7.9	5.3	2.2			2.7	3.0	2.7	2.8	2.8	2.9	2.6	2.9	2.6	1.9	3.1	3.2	3.0	3.63	22	8.9
6	2.9	2.8	1.9	1.9	1.9	2.2	2.5	2.5	2.6	1.9	1.9	1.8	1.6	1.5	1.6	1.8	1.8	1.8	1.9	1.8	2.2	2.7	2.2	1.9	2.06	24	7.0
7	1.8	1.8	1.8	1.8	1.9	2.1	2.2	2.3	1.9	1.9	1.8	1.9			1.5	1.7	1.7	1.6	1.9	2.0	1.7	1.8	1.8	2.2	1.85	22	3.1
8*	2.5	1.8	1.8	1.8	1.8	1.5	1.8	1.6	1.3	1.5	1.3	1.1	1.0	1.0	1.1	1.1	0.9	1.1	1.5	1.2	1.6	1.4	1.5	1.7	1.44	24	3.1
9*	1.6	1.6	1.5	1.9	1.8	2.0	1.5	1.5	1.5	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.7	2.1	2.4	1.9	1.5	1.3	1.5	1.56	24	3.1
10	1.8	1.4	2.3	2.2	1.9	2.7	1.9	1.8	1.1	1.0	1.3	1.1			1.1	1.3	1.1	1.2	1.1	1.1	1.3	1.2	1.2	1.1	1.44	22	3.6
11	1.1	1.1	1.1	1.0	1.1	1.0	1.2	1.8	1.2	1.3	1.3	1.2	1.3	1.3	1.4	1.6	1.7	1.8	1.4	1.8	2.0	1.5	1.1	1.1	1.34	24	2.3
12	1.3	1.1	1.1	1.3	1.0	1.2	1.8	2.1	1.8	1.2	1.7	1.5	1.3			2.2	1.7	1.9	2.2	1.8	1.5	1.8	2.3	2.5	1.63	22	2.9
13	2.2	2.1	1.8	1.4	1.5	1.6	2.1	2.0	1.4	1.2	1.6			1.6	1.5	1.7	1.7	1.6	1.5	1.5	1.6	1.5	1.4	1.5	1.62	22	2.6
14	1.5	1.5	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.4	1.4			1.7	1.7	1.8	1.8	1.7	2.0	2.2	2.7	2.7	3.0	3.0	1.85	22	3.9
15*	2.5	2.1	2.3	2.7	3.0	2.8	2.7	2.6	2.4	2.0	1.8	1.7	1.6	1.6	1.7	1.8	1.8	1.8	1.8					2.7	2.16	20	3.4
16*																											
17																											
18		1.8	1.6	1.6	2.1	2.0	2.0	2.1	1.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.5	1.6	1.7	2.1	2.0		1.60	22	2.4
19																											
20								2.0	1.8	1.8	1.6	1.7	1.6		1.7	1.8	1.7	1.7	1.7	1.8	2.0	2.1	2.1	2.2	1.82	18	2.3
21	2.2	2.2	2.3	2.3	2.3	2.4	2.3	2.1	1.9	1.8	2.0	1.9	1.9			1.7	1.9	1.9	1.8	1.9	2.1	2.0	2.1	2.3	2.04	22	3.0
22*	2.0	1.9	2.1	1.9	1.8	1.8	1.9	1.9	1.9	1.7	1.8	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.9	2.0	2.3	2.6	2.5	2.4	1.97	24	2.8
23*	2.0	2.5	2.4		2.3	2.1	2.0	2.1	2.0	1.7	1.7	1.6	1.6	1.7	1.8	1.7	1.7	1.6	1.7	1.7	1.8	2.1	2.1	2.2	1.90	23	2.8
24		2.1				2.3		2.3	2.3	2.3	2.3	2.1	2.1	2.0	2.0	2.1	2.6	1.9	1.8	2.2	2.7	2.6	2.2	2.4	2.21	19	3.2
25	2.8	2.8	3.1	3.5	4.0	5.4	5.0	3.4	2.2	2.0	1.8	1.8		1.8	2.2	2.1	2.2	1.9	1.8	1.8	1.9	1.9	1.9	1.7	2.53	23	6.6
26	1.6	1.8	1.6	1.4	1.4	1.7	2.1	2.2	1.8	1.7	1.8	1.7	1.7	1.7	2.3	1.9	1.9	1.8	1.7	1.9	2.7	2.0	1.9	1.8	1.83	24	2.9
27	1.5	1.7	1.9	1.6	1.6	1.6	1.7	1.9	1.7	1.8	1.7	1.6	1.7	1.7	1.8	1.8	1.9	1.8	1.7	1.6	1.7	1.6	1.6	1.6	1.69	24	3.0
28	1.6	1.7	1.7	1.8	1.9	2.1	2.2	2.2	2.0	1.7	1.7	1.7	1.6		2.0	1.9	1.8	1.8	1.8	1.8	2.0	2.1	2.3	2.2	1.88	23	2.5
29*	2.0	1.9	1.8	1.8	2.0	2.0	2.0	2.0	1.9	1.8	1.8	1.8	1.8	2.0	1.9	1.9	1.9	2.2	2.0	2.1	2.2	2.1	2.1	1.9	1.94	24	2.6
30*	1.9	1.8	2.0	2.2	2.0	2.3	2.5	2.4	2.5	2.1	1.9	1.9	2.0	1.8	1.8	1.8	1.8	1.9	3.1	3.6	4.0	2.5	2.3	2.2	2.25	24	4.4
MEAN	2.1	2.0	1.9	1.9	1.9	2.2	2.3	2.2	1.8	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.8	1.9	2.0	2.1	2.1	2.2	1.89		
NO.	24	25	25	24	25	26	25	27	27	26	26	25	22	21	25	27	27	27	27	26	26	26	26	26		611	
MAX.	6.1	4.8	3.9	5.2	4.0	5.4	7.9	5.3	3.6	2.6	2.3	2.7	3.0	2.7	2.8	2.8	2.9	2.6	3.1	3.6	4.0	3.8	5.5	7.6	3.63		9.0

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-55

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

WASHINGTON, D.C.

TOTAL HYDROCARBON
JULY 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	2.0		2.0	2.3	2.5	3.0	3.2	3.2	2.2	1.9	2.0	2.0	1.9			2.3		2.1	2.6	2.6	2.7	2.3	2.5	2.3	2.37	20	3.9
2	2.2	2.1	2.3	2.5	2.5	2.9	3.0	4.2	3.6	2.1	1.9	2.0	2.0	1.8	2.1	2.3	2.1	2.3	2.3	2.5	2.3	2.3	2.2	2.2	2.39	24	4.9
3	2.0	2.2	2.0	1.9	1.9	2.2	2.7	2.3	2.1	2.1	2.0	2.0	1.9	2.0	2.0	2.2	2.2	2.3	2.4	2.5	2.4	2.5	2.2	3.4	2.21	24	5.3
4	2.2	2.0	2.2	2.1	2.3	2.0	1.9	1.8	1.8	2.1	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.9	2.2	2.5	2.9	2.8	1.99	24	3.0
5	2.8	2.5	2.5	2.5	2.5	2.9	2.9	2.4	2.2			1.7	1.7	1.7	2.1	1.8	1.9	1.8	1.8	2.0	2.1	2.3	2.4	2.2	2.21	22	5.0
6*	2.3	2.0	1.9	1.8	1.8	1.9	2.0	2.0	1.9	1.9	1.7	1.7	1.8	1.7	1.8	1.7	1.7	1.8	1.8	2.1	2.1	2.4	2.4	2.4	1.92	24	3.0
7*	2.3	2.3	2.0	1.9	1.9	2.1	2.1	1.8	1.7	1.7	1.6	1.7	1.7	1.7	2.1	1.7	1.7	1.7	1.8	1.8	1.8	1.9	1.9	2.2	1.87	24	2.6
8	2.1	2.1	1.8	1.8	1.9	2.0	2.2	2.2	2.0	2.0	1.9	1.9	1.9		2.1	1.9	1.9	1.7	1.7	1.7	1.7	1.7	1.7	1.9	1.90	23	2.5
9	2.0	1.8	1.8	1.7	1.7	2.0	2.2	2.3	2.0	1.9	1.8	1.8	1.8	1.7	2.0	1.8	1.8	1.7	1.6	1.6	1.8	1.9	1.8	2.1	1.85	24	2.6
10	1.8	1.9	1.8	1.7	1.7	2.1	2.0	2.1	2.0	1.8	1.6	1.6	1.6	1.6		1.8	1.7	1.7	1.8	1.8	2.0	2.0	2.1	2.1	1.83	23	2.6
11	3.1	2.1	1.6	1.6	1.6	1.8	2.1	1.9	1.9	1.7	1.6	1.6	1.6	1.6	2.3	1.9	1.7	1.6	1.6	1.7	1.9	1.9	1.8	1.8	1.82	24	4.2
12	1.7	1.6	1.7	1.9	1.8	1.9	2.1	2.0	1.8	1.9	1.8	1.7	1.7		2.3	1.9	1.8	1.8	1.7	2.0	2.0	1.9	2.2	1.8	1.85	23	3.3
13*	1.8	1.9	1.9	2.0	2.0	1.9	1.8	1.8	1.7	1.7	1.9	1.9	1.8	1.7	2.4	1.8	1.7	1.8	1.7	1.8	1.9	1.8	1.7	1.7	1.83	24	2.5
14*	1.7	1.6	1.7	1.7	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	2.2	1.7	1.7	1.7	1.8	1.9	1.9	1.9	1.8	2.1	1.76	24	2.5
15	2.5	2.4	2.3	2.9	3.1	2.9	3.2	2.9	2.2	2.0	1.9	1.8		1.8	2.3	2.0	2.1	2.2	2.2	2.2	2.8	2.3	2.2	2.1	2.33	23	3.8
16	2.2	2.1	1.9	1.8	1.8	1.9	2.2	2.1	1.9	1.8	1.8	1.8	1.7	1.7	2.1	1.9	1.8	1.7	1.7	1.8	2.1	2.4	2.4	2.0	1.93	24	2.5
17	1.8	1.8	1.7	1.7	1.7	1.9	2.2	2.2	2.0	1.9	1.8	1.8	1.8	1.8		2.1	2.4	2.4	2.0	2.8	2.6	3.1	2.9	2.8	2.16	23	3.4
18	2.6	2.6	2.4	2.4	2.5	3.1	3.4	3.4	3.1	2.4	2.0	1.9	1.9	1.9	2.5	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.28	24	4.5
19	1.9	1.8	1.9	1.8	1.9	2.1	2.2	2.3	2.0	2.1	2.1	1.9	1.9			2.1	2.4	2.3	2.4	2.4	2.5	2.8	2.4	2.4	2.15	22	3.0
20*	2.0	1.9	1.9	1.9	2.0	1.9	1.9	1.8	1.7	1.6	1.7	1.7	1.6	1.6	2.5	1.7	1.6	1.7	1.7	1.8	2.0	2.5	3.7	5.0	2.04	24	5.4
21*	4.3	3.0	2.6	2.6	2.5	2.7	2.5	2.0	1.9	1.8	1.6	1.6	1.6	1.6	2.5	1.8	1.7	1.6	1.7	1.7	1.8	1.8	1.9	1.9	2.10	24	4.6
22	2.0	1.9	1.6	1.5	1.9	1.7	2.0	2.1	1.8	1.7	1.8	1.8			2.8	2.0	1.9	1.8	1.8	1.8	1.8	1.8	2.0	1.7	1.85	22	2.9
23	1.6	1.6	1.6	1.6	1.7	2.0	2.4	2.3	1.9	1.8	1.8	1.7	1.8	1.8	2.4	1.8	1.9	1.8	1.8	1.9	2.0	2.4	2.4	3.2	1.95	24	3.8
24	2.7	3.6	3.2	3.0	2.4	2.4	2.7	2.9	2.5	2.3	2.0	1.9	1.8	2.0	2.3	2.0	2.1	2.0	2.0	2.1	2.2	2.2	2.3	2.3	2.37	24	4.0
25	2.6	3.0	2.9	3.4	3.9	3.6	3.2	2.6	2.2	2.1	1.9	1.9	1.9	2.2	2.8	2.2	2.1	2.0	2.0	2.0	2.2	2.0	2.3	2.44	24	4.5
26	2.3	2.3	2.1	2.0	2.0	2.2	2.3	2.5	2.4	2.1	1.9	1.9			1.9	1.9	1.9	1.8	1.8	1.9	2.0	2.1	2.1	2.1	2.06	22	2.7
27*		1.9	1.9	1.9	1.9	2.0	2.1	1.8	1.7	1.6	1.6	1.7	1.7	1.7	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.7	1.77	23	2.4
28*	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.7	1.7	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.8	2.0	2.1	2.2	1.73	24	2.3
29	2.1	2.2	2.1	1.8	1.7	1.8	1.9	2.1	2.0	1.7	1.7	1.7	1.8		2.2	2.1	2.1	1.9	1.9	2.1	2.2	2.3	2.9	3.1	2.05	23	3.7
30	2.7	2.2	2.1	2.2	2.3	2.4	2.6	2.4	2.4	2.2	2.0	1.8	1.8	1.8	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9	2.05	24	3.0
31	2.1	2.6	2.5	2.4	2.5	4.5	2.8	2.5	2.1	1.8	1.9	1.8	1.8	1.8	2.0	1.9	1.9	1.9	1.9	2.3	2.1	1.9	1.9	1.9	2.12	24	3.3
MEAN	2.2	2.2	2.0	2.1	2.1	2.2	2.4	2.3	2.1	1.9	1.8	1.8	1.8	1.8	2.2	1.9	1.9	1.9	1.9	2.0	2.1	2.1	2.2	2.3	2.04		
NO.	30	30	31	31	31	31	31	31	31	30	30	31	28	24	27	31	30	31	31	31	31	31	31	31		725	
MAX.	4.3	3.6	3.2	3.4	3.9	3.6	3.4	4.2	3.6	2.4	2.1	2.0	2.0	2.2	2.8	2.3	2.4	2.4	2.8	2.8	2.8	3.1	3.7	5.0	2.44		5.4

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-56

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U.S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

WASHINGTON, D.C.

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
AUG. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	1.7	1.6	1.6	1.6	1.6	2.0	2.4	2.4	2.1	2.1	1.9	1.8	2.0	1.7	2.0	1.9	2.0	1.9	1.8	2.2	2.1	2.1	1.8	1.8	1.94	24	2.7
2	1.7	1.7	1.6	1.6	1.7	2.0	2.5	2.5	1.9	1.9	1.9	1.9	2.0			2.0	2.2	2.4	2.3	2.4	2.0	2.1	1.9	1.8	2.02	22	3.1
3*	1.7	1.7	1.6	1.6	1.7	1.7	1.9	1.9	1.9	2.1	2.3	2.1	2.0	1.8	2.6	1.9	1.8	1.9	1.9	2.1	2.0	1.9	1.9	1.8	1.90	24	2.9
4*	1.8	1.9	1.7	1.7	1.7	1.8	1.8	1.8	1.9	1.9	2.0	1.8	1.8	1.8	2.3	1.8	1.8	2.0	2.0	2.1	2.1	2.1	2.2	2.2	1.91	24	2.5
5	2.1	1.9	1.8	1.9	1.8	2.0	2.5	2.6	2.4	2.3	2.6	2.3	2.0	2.2	2.3	2.2	2.0	1.8	2.1	2.3	2.8	3.1	3.6	3.6	2.34	24	7.9
6	3.4	2.6	2.8	2.4	2.3	2.1	2.5	2.3	2.1	2.0	1.9	1.9	2.1	2.0	2.0	2.1	2.1	1.9	1.8	1.9	2.0	2.2	2.2	2.2	2.20	24	4.0
7	2.2	1.9	1.9	1.8	1.8	1.8	2.0	2.6	2.1	1.8	1.9	1.8		1.7	1.8	2.0	2.2	2.1	2.3	2.1	2.2	2.2	1.9	1.8	1.98	23	3.0
8	1.8	1.7	1.7	1.7	1.7	1.8	2.0	2.2	2.1	1.8	1.8	1.9	1.9	2.0	2.0	2.0	2.0	2.0	1.9	2.1	2.4	2.5	2.8	2.6	1.98	24	3.0
9	2.4	2.2	2.1	2.5	2.0	2.1	2.6	2.7	2.4	2.0	1.8	1.9	1.9		1.9	2.2	2.1	1.9	1.9	2.3	2.5	2.4	2.4	2.4	2.22	23	3.1
10*	2.3	2.4	2.0	2.0	1.9	2.0	2.0	1.9	1.8	1.8	1.7	1.8	1.7	1.8	1.9	1.8	2.3	2.2	2.4	2.3	1.9	2.0	1.9	1.8	1.95	24	3.9
11*	1.8	1.9	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.6	1.5	1.8	1.6	1.5	1.5	1.6	1.9	2.2	2.1	2.4	3.4	1.76	24	3.7
12	3.2	3.3	3.7	3.2	2.7	2.4	2.1	2.0	1.9	1.8	1.7			1.7	1.8	1.8	1.8	1.8	1.8	1.9	2.0	2.2	1.9	1.8	2.19	22	3.8
13	1.8	1.8	1.8	1.7	1.9	2.2	2.3	2.2	1.9	1.8	1.8	1.7	1.7	1.8	1.9	1.9	1.9	1.8	1.8	1.9	1.8	1.8	1.8	1.9	1.84	24	2.5
14	1.7	1.7	1.7	1.8	1.8	2.1	2.3	2.7	2.7	2.4	2.1	2.1			2.0	2.0	2.2	2.2	2.7	3.0	2.8	2.7	2.5	2.3	2.24	22	3.3
15	2.2	2.1	2.0	1.9	1.9	2.1	2.6	2.4	2.0	2.0	1.9	1.8	1.8	1.8	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.2	2.03	24	2.9
16	2.1	2.1	2.1	2.1	2.1	2.2	2.6	2.8	2.6	2.4	2.2	2.0	1.9		2.1	2.2	2.2	2.1	2.3	2.1	2.2	2.1	2.1	2.2	2.19	23	3.1
17*	2.8	3.2	2.6	2.3	2.4	2.6	2.9	2.8	2.5	2.2	2.0	1.9	1.8	1.8	2.1	1.9	1.8	1.9	2.0	2.2	2.3	3.2	3.1	2.2	2.34	24	4.9
18*																											
19																											
20	1.7	1.8	1.9	1.7	2.1	2.6	2.5		2.3	2.0	1.9	1.8	1.9	2.1	2.0	2.0	1.9	1.8	1.9	1.8	1.8	1.9	1.9	1.7	1.88	15	2.8
21	2.8	2.9	2.4	2.2	2.3	2.5	3.0	2.5	2.1	1.9	1.9	1.8	2.1	2.1	2.0	2.0	2.2	2.3	2.0	2.0	2.1	2.1	2.1	2.2	2.08	23	3.0
22	2.2	2.2	2.3	2.3	3.4	4.2	5.0	4.0	2.5	2.3	2.3	2.3	1.8		2.0	1.9	2.0	1.9	2.1	2.3	2.3	2.3	2.4	2.2	2.22	23	3.4
23	2.3	2.2	2.0	2.1	2.1	2.1	2.4	2.2	2.1	1.9	1.9	1.9		2.4	2.2	2.3	2.2	2.1	2.1	2.1	2.2	2.1	2.1	2.2	2.56	23	5.9
24*	2.3	1.9	2.1	2.2	1.9	2.2	2.5	2.4	2.5	2.1	2.0	1.9	1.9	1.9	2.0	2.0	1.9	2.7	2.1	2.1	2.3	2.2	2.1	2.2	2.11	23	4.9
25*	2.1	2.1	2.0	2.1	2.1	2.0	2.2	2.1	2.1	2.0	1.9	1.8	1.8	1.7	1.8	1.7	1.7	1.7	2.0	2.3	2.5	2.7	2.2	2.1	2.14	24	3.2
26	2.2	1.9	1.9	1.9	1.9	2.0	2.2	2.1	1.9	1.8	1.8	1.8	1.8		1.9	1.8	1.8	1.7	1.8	1.7	1.8	2.4	2.9	2.5	1.99	24	3.2
27	1.7	1.9	1.9	1.8	1.8	1.9	2.1	2.1	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.9	2.0	1.8	1.9	2.0	1.9	1.9	1.8	1.8	1.88	23	2.5
28	2.0	2.0	1.8	1.9	1.9	2.0	2.3	2.3	2.0	2.0	1.8	1.7	1.6		1.9	1.9	1.8	1.9	2.0	2.2	2.1	3.4	4.6	3.7	2.20	23	4.9
29	3.0	3.0	3.8	3.0	2.8	2.4	2.5	2.1	2.1	2.0	2.0	1.9	1.9	1.9	1.8	1.8	2.0	1.8	1.9	2.6	3.1	3.1	3.5	4.2	2.48	24	5.8
30	4.5	4.5	3.6	3.6	3.4	3.2	3.5	3.3	2.3	2.0	1.9	1.8	1.8		1.7	1.7	1.7	1.7	1.9	2.2	2.4	2.7	5.3	7.1	2.94	23	9.2
31*	8.7	8.1	7.2	6.6	3.7	5.8	3.3	3.0	2.6	2.4	2.3	1.9	1.8	1.9	1.9	1.9	1.8	1.9	1.9	2.2	2.1	2.0	2.0	2.0	3.28	24	10.5
MEAN	2.5	2.4	2.3	2.2	2.1	2.3	2.5	2.4	2.1	2.0	1.9	1.9	1.8	1.9	2.0	1.9	2.0	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.16		
NO	29	29	29	29	29	29	29	28	29	30	30	29	25	22	29	30	30	30	30	30	30	30	30	30		695	
MAX	8.7	8.1	7.2	6.6	3.7	5.8	5.0	4.0	2.7	2.4	2.6	2.3	2.1	2.4	2.6	2.3	2.3	2.7	2.7	3.0	3.1	3.4	5.3	7.1	3.28		10.5

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-57

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

WASHINGTON, D.C.

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
SEPT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN MAX.
1*	2.0		2.8	2.8	2.2	2.2	2.1	2.1	2.1	2.2	1.9	1.8	1.8	1.9	1.9	1.8	1.9	1.9	1.9	2.1	2.4	2.3	2.2	2.4	2.09	23	3.1
2	2.2	2.4	2.4	2.4	2.8	5.0	5.8	4.3	2.6	2.1	2.1	2.0	2.0	2.0	2.2	2.2	2.2	2.3	2.5	2.2	2.4	2.5	2.8	3.6	2.69	24	7.0
3	3.9	3.9	4.6	4.3	5.9	4.7	4.9	4.3	3.0	2.9			1.7	1.7	1.7	1.8	1.9	1.9	1.9	2.1	2.3	2.3	3.3	4.3	3.12	22	7.3
4	3.3	3.3	2.5	2.4	2.5	2.9	4.1	3.2	2.7	2.1	2.0	1.9	1.8	1.9	1.9	1.9	1.9	1.9	2.6	2.7	3.0	3.2	3.1	3.2	2.56	24	4.6
5	4.3	5.2	5.0	6.5	5.2	4.1	4.0	3.4	2.9	2.3	2.2	2.0	1.8	2.0	1.8	1.9	1.9	1.9	2.0	2.0	1.8	1.9	1.8	1.7	2.90	24	7.8
6	1.6	1.7	1.6	1.6	1.6	1.7	1.8	2.1	2.0			2.3	2.0	2.1	2.1	2.1	2.1	1.9	3.2	4.0	3.5	2.5	2.3	2.2	2.18	22	5.3
7*	2.1	2.1	2.1	2.1	2.1	2.4	2.7	2.3	2.1	1.9	1.8	1.8	1.8	1.7	1.8	1.8	1.8	2.0	2.1	2.3	2.8	3.4	2.9	5.0	2.28	24	7.2
8*	6.7	8.2	7.6	4.3	3.9	3.4	6.2	4.2	3.0	2.6	2.2	1.8	1.8	1.9	2.0	1.9	1.8	1.9	2.3	3.1	3.3	2.5	2.2	2.1	3.35	24	10.2
9	2.0	2.0	2.1	5.3	6.2	5.3	5.5	3.7	2.7	2.3	2.0	1.9		2.0	1.9	1.9	2.0	1.9	2.3	2.0	1.9	1.9	1.9	2.0	2.72	23	8.9
10	1.9	1.9	2.1	2.1	2.1	2.3	2.4	2.4	2.5	2.1	2.0	2.0	1.8	1.8	2.0	2.3	2.5	2.6	2.1	1.9	2.0	2.0	2.0	2.3	2.11	24	3.2
11	1.8	1.7	1.8	1.8	1.8	1.9	2.4	2.7		2.2	2.0	1.9	2.0	2.0	2.0	2.4	3.2	2.9	2.5	2.2	2.0	2.0	1.9	1.9	2.12	23	3.6
12	1.8	1.8	1.8	1.9	1.9	2.1	2.4	2.4	2.0	1.9	1.7	1.8	1.8	1.8	1.8	1.8	1.9	1.9	2.0	2.3	2.2	2.2	2.2	2.2	1.98	24	2.6
13	2.0	2.0	2.0	1.9	2.1	2.2	2.5	2.3	2.0	1.9	1.9			1.9	1.9	2.0	2.1	2.1	2.3	2.6	3.0	3.1	3.1	2.9	2.26	22	3.4
14*	2.8	2.8	2.2	2.3	2.4	4.6	2.8	2.7		2.0	1.9	1.8	1.8	1.8	2.0	1.8	1.8	1.9	2.4	2.8	2.9	3.3	4.0	6.3	2.56	23	7.6
15*	6.1	6.4	5.3	3.2	3.1	3.4	4.3	2.5	2.4	2.3	2.4	2.0	2.0	1.9	1.8	1.9	1.9	2.0	2.3	3.1	3.0	3.0	2.1	2.0	2.93	24	7.6
16	2.2	3.1	3.3	3.9	3.5	3.7	4.5	4.0	2.9	2.3	2.2	1.9	1.9			2.0	2.1	2.1	2.2	2.4	2.6	2.7	2.5	2.9	2.75	22	4.9
17	2.8	2.9	3.2	2.9	3.1	4.9	4.9	5.2	3.4	2.6	2.6	2.4	2.2	2.1	2.2	2.2	2.1	2.1	2.2	2.6	2.8	3.5	4.5	5.2	3.10	24	6.4
18	3.8	2.2	2.8	2.8	2.3	2.5	3.1	2.7	2.3	2.0	1.9	1.9		1.9	1.9	1.9	1.9	1.9	2.2	2.7	2.4	2.4	3.8	2.8	2.42	23	5.4
19	2.4	2.4	2.1	2.2	2.0	2.2	2.8	2.9	2.7	2.4	2.0	1.9	2.0	2.0	2.1	1.9	1.9	2.1	2.6	2.7	2.7	2.2	2.0	2.3	2.26	24	3.6
20	2.0	2.9	4.3	3.0	3.5	4.2	5.0	4.8	2.9	2.1	2.1	1.9	1.8		2.2	2.0	1.9	2.0	2.5	3.2	5.0	6.1	7.5	8.2	3.53	23	9.1
21*	8.0	9.8	10.2	11.1	11.0	6.8	3.6	4.8	2.7	3.2	2.2	2.2	2.0	2.0	2.1	1.9	2.0	2.1	2.7	2.8	3.4	3.2	3.0	2.2	4.36	24	12.6
22*	2.2	2.4	2.5	2.8	2.9	2.8	2.9	2.7	2.5	2.2	2.1	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.4	2.3	2.4	2.3	2.5	2.5	2.33	24	3.1
23	2.4	2.2	2.3	2.3	2.5	2.7	2.2	3.6	3.7	3.4	2.8	2.3	2.0		2.1	2.2	2.2	2.1	2.4	2.5	2.4	2.1	2.1	2.1	2.50	23	4.0
24	2.0	2.0	2.1	2.7	2.7	4.5	2.6	2.9	3.2	3.3	2.9	2.6	2.4	2.3	2.6	2.7	2.7	2.6	2.5	2.4	2.3	2.3	2.2	2.2	2.51	24	3.6
25	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.5	2.5	2.6	2.4	2.2	2.2		3.5	4.7	4.5	4.2	4.0	3.9	3.7	3.5	3.4	3.3	2.94	23	4.9
26	3.3	3.3	3.3	3.8	3.1	2.9	2.8	2.9	2.5	2.4	2.2	2.0	1.9	1.9	2.4	2.5	2.4	2.4	2.9	2.9	3.0	3.0	2.9	2.8	2.70	24	3.7
27	2.2	2.6	2.5	2.5	2.4	2.3	2.3	2.6	2.5			2.5	2.4	2.5	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.7	2.54	22	2.8
28*	2.8	2.8	2.8	2.7	2.5	2.5	2.5	2.6	2.7	2.5	2.2	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.3	2.5	2.6	2.7	2.9	3.0	2.44	24	3.1
29*	3.1	3.0	3.0	3.0	2.9	2.7	2.5	2.4	2.2	2.1	2.2	2.1	2.1	2.0	2.0	2.0	2.0	2.1	2.1	2.2	2.3	2.6	3.0	3.5	2.46	24	3.7
30	3.4	3.9	3.5	3.2	2.9	2.8	3.0	3.3	3.4	3.2	2.4	2.1	2.0		2.3	2.3	2.4	2.5	2.6	2.7	2.7	2.7	2.6	2.6	2.79	23	6.3
MEAN	3.0	3.2	3.2	3.2	3.2	3.1	3.4	3.1	2.6	2.4	2.1	2.0	2.0	1.9	2.1	2.1	2.2	2.2	2.4	2.6	2.7	2.7	2.8	3.1	2.65		
NO.	30	29	30	30	30	30	30	30	28	28	27	28	27	25	29	30	30	30	30	30	30	30	30	30		701	
MAX.	8.0	9.8	10.2	11.1	11.0	6.8	6.2	5.2	3.7	3.4	2.9	2.6	2.4	2.5	3.5	4.7	4.5	4.2	4.0	4.0	5.0	6.1	7.5	8.2	4.36		12.6

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-58

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

WASHINGTON, D.C.

TOTAL HYDROCARBON
OCT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX.
1	2.5	2.5	2.4	2.4	2.4	2.7	3.1	3.5	3.1	3.4	2.8	2.3	2.1	2.1	2.4	2.6	2.4	2.2	2.4	2.3	2.4	3.0	5.3	4.3	2.81	24	6.3
2	2.2	2.0	2.1	2.0	2.0	2.4	2.8	3.0	2.6	2.3	2.1	2.1	1.9	1.9	1.9	1.9	2.0	2.1	2.2	2.0	2.0	1.9	2.1	2.2	2.15	24	3.2
3	2.2	1.8	1.8	1.8	1.7	1.8	2.0	2.3	2.3	2.0	2.1	2.0	2.0			2.8	3.0	2.7	2.2	2.3	2.0	2.0	1.9	1.9	2.10	22	3.3
4	1.9	1.9	1.9	1.9	1.9	1.9	2.1	2.2	2.0	1.9	1.9	1.9	1.9		2.1	2.0	2.0	2.0	2.0	2.4	2.1	2.1	2.1	2.1	1.99	23	2.4
5*	2.1	2.2	2.0	2.0	1.9	1.9	2.0	1.9	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.2	2.8	4.5	5.4	5.6	6.3	2.58	24	8.0
6*	5.4	5.9	5.8	5.5	5.7	5.9	6.4	4.3	3.3	2.3	2.0	1.8	1.9	1.9	1.9	1.8	1.9	2.0	2.0						3.56	19	7.3
7									2.2	2.1	2.0	2.0		2.1	2.1	2.2	2.2	2.2	2.2	2.3	2.4	2.3	2.4	2.3	2.18	15	2.6
8	2.1	2.1	2.1	2.0	2.0	2.2	2.5	2.4	2.3	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.4	2.9	2.5	2.6	3.1	3.2	2.26	24	3.7
9	2.7	2.5	2.5	2.4	2.4	2.5	2.6	2.5	2.4	2.5	2.2	2.1	2.0	2.0	2.1	2.3	2.3	2.2	2.4	2.2	2.2	2.1	2.5	2.1	2.31	24	3.3
10	2.1	2.1	2.1	2.1	2.3	2.2	2.6	2.7	2.7	2.6	2.7	2.1	2.0	2.1	2.1	2.2	2.3	2.4	2.2	2.6	2.6		2.3	2.2	2.31	23	4.0
11	2.0		2.3	2.2	2.5	2.7	2.9	3.1	2.3	2.1	2.1	2.2	2.1			1.9	2.2	2.3	2.6	2.9	2.4	2.1	2.5	2.0	2.35	21	4.3
12*	1.8	2.1	2.1	1.9	1.9	2.0	2.6	2.2	2.1	2.1	2.0	1.9	2.0	1.9	2.0	2.0	2.2	2.2	2.4	2.5	2.5	2.2	2.5	2.1	2.12	24	3.2
13*	2.2	2.4	2.5			2.1	2.2	2.5	4.7	2.6	2.7	2.7	2.2	2.1	2.1	2.1	2.2	2.3	2.2	2.2	2.6	2.5	2.3	2.3	2.34	22	2.9
14	2.4	2.4	2.3	2.6	3.1	2.9	2.7	2.7	2.6	2.6	2.4	2.3	2.0	2.0	2.1	2.2	2.3	2.3	2.3	2.4	2.4	2.7	2.6	2.5	2.44	24	3.7
15	2.5	2.4	2.3	2.2	2.2	2.1	2.3	2.2	2.0	1.9	2.0	2.0	2.1		2.2	2.4	2.2	2.7	3.6	5.7	4.9	4.0	3.3	4.1	2.74	23	6.0
16	4.1	4.8	4.7	4.0	2.6	2.6	3.2	3.5	3.4	2.9	3.2	2.8	2.3	2.0	2.1	2.3	2.5	2.6	3.3	3.0	3.2	3.2	3.1	2.9	3.08	24	6.6
17	2.5	2.6	3.3	3.5	3.0	3.0	3.3	3.2	2.8	2.8	2.3	2.2	2.2	2.0	2.1	2.2	2.2	2.5	2.3	2.3	2.2	2.3	2.4	2.6	2.56	24	4.7
18	2.2	2.5	2.8	2.5	2.5	2.4	2.9	3.1	2.9	2.5	2.2	2.1	2.0		2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.36	23	5.8
19*	2.0	1.9	1.9	1.8	1.7	1.7	1.9	2.0	2.1	2.2	2.1	2.2	2.3	2.3	2.4	2.3	2.2	2.3	2.2	2.1	2.1	2.2	2.1	2.0	2.07	24	2.9
20*	2.0	2.0	2.1	2.2	2.2	2.2	2.4	2.3	2.2	2.0	2.0	2.0	1.9	1.9	1.9	1.9	2.0	2.2	2.2	2.3	2.4	2.4	2.4	2.2	2.13	24	2.5
21	2.2	2.1	2.0	2.1	2.0	2.1	2.4	2.3	2.1	1.9	1.9	1.9			1.8	1.9	2.0	2.4	4.3	3.0	2.9	3.0	3.3	3.7	2.41	22	7.2
22	3.9	7.5	10.0	9.8	9.3	5.1	11.1	9.9	4.3	2.9	2.0	2.0	2.0	2.1	2.1	2.2	2.4	2.5	2.0	2.0	1.8	1.9	2.0	1.8	4.26	24	14.7
23	1.8	1.8	1.7	1.8	2.0	2.1	2.7	3.0	2.9	2.1	1.9	2.0			1.9	2.0	2.0	2.1	2.2	2.4	2.3	2.4	2.5	2.4	2.17	22	3.4
24	2.3	2.2	2.2	2.1	2.3	2.3	2.5	2.6	2.3	2.4	2.3	2.3	2.3	2.4	2.6	2.7	2.7	2.8	2.4	2.2	2.1	2.0	1.9	1.8	2.31	24	3.0
25	1.8	1.8	1.8	1.7	1.7	1.8	2.0	2.1	2.0	1.9	1.8	1.8	1.7	1.8	1.8	1.8	1.9	2.0	2.1	2.0	1.8	1.8	1.7	1.7	1.84	24	2.3
26*	1.7	1.8	1.7	1.7	1.7	1.7	1.8	1.8	2.0	1.7	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9	1.75	24	2.6
27*	1.8	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.8	1.7	1.7	1.6	1.7	1.7	1.7	1.69	24	1.9
28																											
29																											
30																											
31																											
MEAN	2.4	2.6	2.7	2.6	2.6	2.5	2.9	2.9	2.5	2.3	2.1	2.1	2.0	2.0	2.0	2.1	2.2	2.2	2.4	2.5	2.5	2.5	2.6	2.6	2.40		
NO.	26	25	26	25	25	26	26	26	27	27	27	27	24	20	25	27	27	27	27	26	26	25	26	26		619	
MAX	5.4	7.5	10.0	9.8	9.3	5.9	11.1	9.9	4.3	3.4	3.2	2.8	2.3	2.4	2.6	2.8	3.0	2.8	4.3	5.7	4.9	5.4	5.6	6.3	4.26		14.7

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-59

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

WASHINGTON, D.C.

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
NOV. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1 2* 3* 4 5																											
6 7 8 9* 10*																											
11 12 13 14 15																											
16* 17* 18 19 20																											
21 22 23* 24* 25																											
26	2.1	2.1	2.0	2.0	2.0	2.1	2.2	2.3	2.8	2.6	2.2	2.1	2.0	2.1	2.1	2.0	2.2	2.4	2.6	2.3	2.1	2.0	1.9	1.8	2.16	24	3.1
27	1.8	1.8	1.8	1.8	1.8	1.7	1.9	2.2	2.8	2.7	2.7	2.4	2.5	2.3	2.3	2.4	2.9	3.1	2.7	2.0	2.6	2.9	2.4	2.4	2.36	24	3.6
28	2.0	2.0	2.7	3.0	2.6	2.2	2.2	2.7	2.9		3.1	2.3	1.9	2.0	2.1	2.3	2.5	2.2	2.3	1.8	1.7	1.7	1.7	1.6	2.23	23	3.9
29	1.6	1.6	1.5	1.7	1.5	1.6	1.7	2.3	2.9	2.8	2.4	2.4	2.3	2.2		2.3	2.3	2.1	2.0	1.6	1.9	1.9	1.7	1.7	2.01	23	3.6
30*	1.7	1.7	1.8	1.7	1.6	1.7	1.8	2.1	2.1	2.0	1.9	1.9	2.0	2.2	1.9	1.9	2.1	2.1	2.1	2.1	2.2	2.0	2.3	2.1	1.95	24	4.3
MEAN	5	5	5	5	5	5	5	5	5	4	5	5	5	5	4	5	5	5	5	5	5	5	5	5			
NO.	2.1	2.1	2.7	3.0	2.6	2.2	2.2	2.7	2.9	2.8	3.1	2.4	2.5	2.3	2.3	2.6	2.9	3.1	2.7	2.6	2.6	2.9	2.4	2.4	2.36	118	4.3
MAX																											

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-60

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

WASHINGTON, D.C.

TOTAL HYDROCARBON
DEC. 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1*	2.1	2.1	2.4	2.3	2.4	2.9	3.0	2.8	2.0	1.8	1.8	1.7	1.7	1.7	1.6	1.8	1.8	1.8	1.9	1.9	2.0	2.1	2.4	2.2	2.09	24	3.5
2	2.1	2.0	2.1	2.1	2.2	2.5	2.1	2.4	2.1	2.1	2.4	2.4	2.4	2.4		2.0	2.0	2.2	2.1	2.0	2.1	2.1	2.1	2.2	2.19	23	2.9
3	2.4	2.4	2.4	2.8	3.2	3.7	3.5	4.3	4.1	3.4	2.8	2.1	2.1	2.1	2.1	2.3	2.9	2.6	2.5	2.5	2.2	2.1	2.0		2.70	23	5.2
4	1.9	1.9	2.2	1.9	1.7	1.6	1.8	2.1	2.2	2.4	2.0	2.0		2.5	2.2		2.6	2.3	2.0	1.8	1.8	1.7	1.7	1.7	1.98	22	3.1
5	1.7	1.6	1.6	1.7	1.6	1.6	1.7	1.8	1.8	1.7	1.7	1.7	1.8	1.7	1.7	1.7	1.8	1.9	1.7	1.7	1.6	1.6	1.6	1.6	1.68	24	2.1
6	1.6	1.6	1.6	1.6	1.6	1.8	1.8	2.1	2.4	2.3	1.7	1.8	1.8	1.9	1.8	2.3	2.6	2.6	2.5	2.7	3.0	4.5	2.5	2.3	2.17	24	8.5
7*	2.4	2.3	2.0	1.9	1.9	1.9	2.0	2.4	2.4	2.1	2.1	2.0	1.9	1.9	1.8	2.1	2.1	2.1	2.0	1.9	1.9	1.8	1.8	1.8	2.00	24	3.2
8*	1.8	1.8	1.7	1.7	1.7	1.6	1.7	1.8	1.9	1.9	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.9	1.7	1.7	1.7	1.7	1.7	1.7	1.73	24	2.6
9	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	2.0	1.7	1.8	1.8	1.8	1.7	1.8	2.0	2.0	1.8	1.7	1.7	1.7	1.6	1.7	1.71	24	2.7
10	1.7	1.6	1.6	1.6	1.6	1.6	1.6	2.4	2.3	2.3	1.9	1.8	1.8	1.8	1.7	1.9	2.2	2.1	1.9	1.9	2.0	1.9	1.9	1.9	1.86	24	4.3
11	2.1	2.0	1.9	2.0	1.9	2.0	2.0		2.7	2.7	2.5	2.4	2.5	2.3		2.1	2.3	2.3	2.1	1.9	2.0	2.1	2.0	2.0	2.16	22	3.2
12	2.1	1.8	1.8	1.9	1.8	1.8	2.0	2.4	2.2	2.1	2.0	2.0	1.9	1.9	1.9	2.0	2.3	2.4	2.1	1.9	1.9	1.8	1.8	1.8	1.96	24	2.7
13	1.8	1.8	1.7	1.6	1.7	1.8	1.7	2.0	2.1	1.9	1.9	1.9	1.9		2.0	2.0	2.2	2.2	2.1	1.9	1.9	1.8	1.9	2.0	1.89	23	2.7
14*	1.9	2.1	2.4	2.2	2.4	4.4	2.1	2.4	2.6	2.6	3.0	2.1	2.1	2.1	2.1	2.3	2.1	2.0	2.1	2.0	1.9	1.8	1.8	1.8	2.16	24	4.2
15*	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.7	1.7	1.7	1.6	1.7	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.69	24	1.9
16	1.8	1.7	1.7	1.6	1.7	1.7	1.7	1.9	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8	2.0	2.0	1.9	1.7	1.7	1.8	1.7	1.7	1.80	24	2.2
17	1.7	1.7	1.7	1.7	1.7	1.8	2.0	2.2	2.2	2.3	2.1	2.1	2.1	2.0	2.1	2.2	2.3	2.5	2.2	2.3	2.1	2.1	2.1	2.7	2.07	24	4.0
18	2.3	2.7	3.2	2.8	2.9	3.4	3.6	3.5	3.3	3.4		2.5	2.5	2.3	2.5	2.4	2.4	2.9	2.6	2.8	2.9	2.9	2.8	2.7	2.82	23	5.9
19	2.8	3.0	2.7	2.4	2.4	4.4	2.9	3.5	3.5	3.2	2.2		2.1	2.2	2.4	2.5	3.5	3.8	3.0	2.8	3.0	3.1	3.9	3.2	2.88	23	5.2
20	2.7	2.6	2.5	2.4	2.5	2.3	2.4	4.3		4.7	4.5	3.8	3.0	2.4	2.3	2.4	2.5	2.6	2.3						2.89	18	7.4
21*																											
22*																											
23		2.5	2.5	2.6	2.0	2.4	2.3	2.7	2.4	2.3	2.5		3.2	3.4	2.5	2.1	2.4	2.2	2.2	2.2	2.1	2.1	2.0	2.0	2.41	22	6.7
24	1.8	2.0	1.9	1.9	1.9	1.9	2.0	2.1	2.1	2.0	2.1	2.0	2.0	2.0	2.1	2.0	2.1	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.97	24	2.6
25	1.8	2.0	1.9	2.0	1.9	1.8	1.9	2.1	2.1	2.0	1.9	1.9	1.9	1.9	1.9	1.7		2.0		2.3	2.1	2.2	2.4	2.3	1.99	22	2.7
26	2.1		2.3		2.2	2.0				1.9	1.7		1.8	1.9	1.8	1.7	1.7	1.6	1.5	1.5	1.5	1.6	1.6	1.76	18	3.1
27	1.6	1.5	1.7	1.5	1.5	1.5	1.4	1.8	1.9	1.7	1.7	1.7	1.7	1.7	1.7	1.8	2.0		2.1	3.0	3.4	3.3	4.1	1.9	2.03	23	5.0
28*	1.9	1.9	1.8	1.8	2.0	2.0	2.0	2.1	2.2	2.0	1.7	1.6	1.7	1.6		1.7	1.7	1.6	1.6	1.7	1.7	1.8	2.2	1.9	1.82	23	3.2
29*	1.7	1.8	1.7	1.7	1.6	1.6	1.5	1.6	1.6	1.6	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.6	1.6	1.6	1.6	1.6	1.7	1.61	24	2.2
30	1.6	1.7	1.7	1.7	1.7	1.7	1.9	2.1	2.2	2.2	2.1	1.9		2.1	2.1	2.0	2.1	2.1	2.1	2.0	2.0	1.9	1.8	1.8	1.93	23	2.6
31	1.9	1.8	1.7	1.8	1.7	1.7	1.8	1.9	2.0	2.0	1.9	2.0	2.0	2.0	2.1	2.2	2.3	2.5	2.4	2.1	2.1	2.2	2.0	2.0	1.99	24	2.8
MEAN	2.0	2.0	2.0	1.9	1.9	2.0	2.1	2.4	2.3	2.3	2.1	2.0	2.0	2.0	2.0	2.0	2.2	2.2	2.1	2.0	2.0	2.1	2.1	2.0	2.06		
NO	28	28	29	28	29	29	28	27	27	28	28	27	27	28	26	28	28	28	28	28	28	28	28	27		668	
MAX	2.8	3.0	3.2	2.8	3.2	3.7	3.6	4.3	4.4	4.7	4.5	3.8	3.2	3.4	2.9	2.5	3.5	3.8	3.0	3.0	3.4	4.5	4.1	3.2	2.89		8.5

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-61

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

WASHINGTON, D.C.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
JAN. 1968

DAY OF MONTH	A M												P M												DAILY MEAN	NO. OF HRS	5-MIN MAX
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12			
1	.01	.00		.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	22	.01
2																											
3		.00		.00	.00	.00	.00	.00									.01	.02	.02	.02	.02	.02	.02	.02	.010	14	.05
4	.02	.01		.01	.01	.01	.01	.02	.02	.02	.01	.01	.01	.00			.00	.00	.00	.00	.00	.00	.00	.00	.007	21	.03
5	.00	.00		.00	.00	.00	.00	.00		.00	.00	.00	.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.000	20	.00
6*	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.003	23	.01
7*	.01	.01		.00	.00	.00	.00	.00	.00	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.002	23	.01
8	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
9	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.01
10	.00	.00		.00	.00	.00								.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	16	.00
11	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00		.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.000	21	.01
12																											
13*	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.008	23	.03
14*	.02	.03		.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.02	.02	.02	.02	.01	.01	.01	.01	.01	.023	23	.05
15	.01	.01		.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.008	23	.03
16	.02	.02		.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.00	.01	.00	.004	23	.02
17	.00	.00		.00	.00	.01	.01	.01								.01	.00	.00	.00	.00	.00	.00	.00	.01	.004	16	.02
18	.01	.01		.01	.02	.02	.05	.04	.03	.04	.03	.02	.03	.02			.02	.04	.04	.05				.06	.032	18	.10
19	.11	.11		.05	.04	.04	.05	.04	.03	.05	.05	.03	.02	.02	.02	.02	.01	.01	.01	.01	.01	.02	.01	.04	.034	23	.14
20*	.01	.00		.01	.00	.01	.02	.04	.05	.03	.01	.01	.02	.02	.02	.01	.01	.00	.00	.00	.03	.05	.02	.04	.017	23	.10
21*	.04	.04		.02	.01	.02	.01	.01	.02	.03	.02	.03	.03	.03	.03	.03	.02	.02	.01	.01	.01	.01	.01	.01	.020	23	.09
22	.01	.01		.01	.02	.03	.05	.05	.03	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.013	23	.07
23	.01	.00		.01	.01	.01	.01	.02	.02	.02				.00			.00	.01	.01	.00	.01				.009	15	.03
24								.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	17	.01
25	.00	.00		.01	.01	.01	.00	.00	.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.001	21	.01
26	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.01	.08	.004	22	.14
27*	.02	.02		.02	.02	.01	.04	.05	.03	.02	.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.011	23	.06
28*	.00	.00		.00	.00	.01	.01	.00	.01	.00	.00	.00	.00	.00	.00	.01	.01	.01	.02	.02	.01	.01	.01	.01	.006	23	.03
29	.01	.01		.00	.00	.01	.01	.02	.00	.01	.01	.00	.01	.01			.01	.00	.01	.01	.01	.01	.01	.02	.008	21	.03
30	.02	.01		.01	.01	.01	.02	.02	.02	.02	.02	.01	.01	.01	.00	.01	.03	.04	.03	.02	.01	.01	.02	.01	.016	23	.07
31	.01	.01		.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01			.01	.01	.01	.01	.01	.01	.01	.01	.010	21	.02
MEAN	.01	.01		.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.009		
NO.	27	28		28	28	28	27	28	29	26	24	23	25	26	20	21	29	29	29	29	28	27	27	28		610	
MAX	.11	.11		.05	.04	.04	.05	.06	.05	.05	.05	.03	.03	.03	.03	.03	.03	.04	.04	.05	.03	.05	.02	.08	.034		.14

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-62

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

WASHINGTON, D.C.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
FEB. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN MAX.
1	.01	.01		.01	.01	.01	.01	.01		.01				.02			.02	.01	.01	.01	.02	.02	.02	.02	.013	19	.03
2	.01	.01		.01	.01	.01	.01	.02	.01	.01	.01	.02	.01	.01	.01	.01	.03	.04	.03	.02	.01	.01	.01	.01	.014	23	.05
3*	.01	.01		.01	.01	.01	.01	.02	.02	.02	.01	.02	.02	.02	.03	.02	.02	.02	.01	.01	.01	.01	.01	.01	.015	23	.03
4*	.01	.01		.02	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.03	.02	.02	.01	.01	.01	.01	.01	.01	.01	.015	23	.03
5	.01	.02		.01	.00	.00	.00	.01	.00	.00	.01	.01	.01	.02	.01	.02	.01	.00	.00	.01	.01	.01	.01	.01	.008	23	.03
6	.01	.01		.01	.01	.01	.01	.00	.00	.00	.00	.01	.01	.01			.01	.01	.00	.01	.01	.01	.01	.06	.009	21	.06
7	.04	.03		.02	.01	.02	.01	.01	.00	.00	.00	.00	.00	.01	.01	.01	.02	.02	.02	.02	.02	.02	.01	.01	.013	23	.06
8							.01	.01	.00	.00		.00	.00	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.001	17	.01
9	.00	.00		.00	.01			.01	.00	.01	.01	.01	.01	.01	.01	.01	.02	.02	.01	.01	.01	.01	.01	.01	.009	21	.03
10*	.01							.00	.00	.00	.00	.00	.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.001	16	.01
11*	.00	.00		.00	.00	.00	.00	.00	.00	.00	.01	.00	.01	.01			.00	.01	.00	.00	.00	.00	.00	.00	.002	21	.01
12	.00	.00				.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	21	.01
13	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	21	.00
14	.00	.00		.00	.00	.00	.00	.00	.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	21	.00
15	.00	.00		.00	.00	.00	.01	.02		.02	.00	.00	.00	.01	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.007	22	.03
16	.02	.01		.02	.01	.01	.00	.00	.00	.00			.02	.02	.01	.01	.02	.01	.00	.00	.00	.00	.00	.01	.008	21	.03
17*	.01	.01		.00	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.01	.01	.01	.01	.00	.01	.01	.01	.01	.01	.010	23	.03
18*	.01	.01		.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01			.01	.00	.00	.00	.00	.00	.00	.00	.003	21	.02
19	.00	.00								.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	17	.02
20	.00	.00		.00	.00	.00	.00		.00	.00	.00	.01	.01	.01	.01	.01	.02	.02	.01	.01	.02	.02	.02	.02	.008	22	.03
21	.02	.02		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01							.003	17	.02
22																											
23		.00			.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.003	21	.02
24*	.00	.00		.00	.00	.00						.00	.02				.03	.02	.01	.01	.01	.00	.00	.00	.006	15	.03
25*																											
26										.00	.01	.01	.02	.01	.02	.02	.02	.01	.00	.00	.00	.00	.00	.01	.007	15	.03
27	.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.01	.01			.01	.00	.00	.00	.00	.00	.00	.00	.002	20	.02
28	.00	.00		.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.01		.01	.01	.01	.00	.00	.01	.01	.00	.01	.004	22	.02
29	.01	.01		.01	.01	.01	.01	.01	.00	.00	.01	.01	.01	.01	.01	.01	.02	.01	.01	.02	.01				.008	20	.03
MEAN	.01	.01		.01	.01	.00	.00	.01	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.006		
NO.	24	24		20	22	22	22	23	22	26	22	24	26	25	19	21	27	27	24	26	26	25	25	25		549	
MAX	.04	.03		.02	.01	.02	.01	.02	.02	.02	.02	.02	.02	.02	.03	.02	.03	.04	.03	.02	.02	.02	.02	.06	.015		.06

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-63

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

WASHINGTON, D.C.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
MARCH 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN MAX.
1									.00	.02			.03	.03	.02	.03	.03	.02	.02	.02	.01	.01	.01	.01	.018	16	.04
2*	.01	.01		.01	.01	.01	.01	.01	.01	.02	.02	.03	.03	.03	.03	.03	.03	.03	.02	.02	.02	.02	.02	.02	.018	23	.03
3*	.02	.02		.03	.02			.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.02	.02	.02	.01	.01	.01	.01	.018	21	.03
4	.01	.01		.00	.01	.01	.01	.00	.00	.01	.01	.01	.01			.01	.01	.01	.01	.00	.00	.00	.00	.00	.005	21	.02
5	.01	.01		.01	.01	.00	.00	.00								.03	.03	.01	.01	.01	.01	.02	.01	.01	.010	16	.05
6	.01	.01		.01	.01	.01	.01	.02	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02		.016	22	.03
7								.01	.01				.02	.02	.02	.02	.02	.02	.01	.01	.00	.00	.00	.00	.011	16	.03
8	.01	.01		.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.03			.02	.02	.02	.02	.02	.03	.03	.04	.017	21	.05
9*	.04	.02		.03	.03	.02	.03	.03	.03	.03	.03	.04	.05	.05	.05	.05	.05	.04	.05	.05	.07	.06	.04	.03	.040	23	.10
10*	.03	.02		.03	.02	.02	.02	.02	.02	.02	.03	.03	.04	.05	.06	.06	.04	.03	.03	.03	.02	.02	.02	.02	.030	23	.07
11	.02	.02		.03	.03	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03	.03	.03	.02	.02	.02	.02	.02	.024	23	.04
12	.01	.01		.02	.01	.02	.02	.02	.02	.02	.01	.01	.01	.02	.02	.02	.01	.02	.02	.02	.03	.03	.02	.01	.018	23	.04
13	.01	.01		.01	.01	.01	.01	.02	.00	.01	.01	.01	.02	.02	.03	.03	.03	.02	.01	.01	.01	.01	.01	.01	.014	23	.03
14	.02	.02		.01	.01	.01	.01	.00	.01	.01	.02	.02	.03	.04	.04	.03	.03	.03	.01	.01	.02	.02	.02	.01	.017	23	.05
15	.01	.02		.02	.02	.02	.02	.02		.02	.03	.03	.04	.03	.04	.03	.03	.02	.02	.02	.02	.02	.02	.02	.024	22	.04
16*	.02	.02		.02	.01	.01	.01	.02	.02	.03	.02	.03	.03	.03	.03	.04	.04	.03	.03	.03	.03	.03	.02	.02	.024	23	.04
17*	.02	.02		.01	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.022	23	.04
18	.03	.03		.03	.03	.03	.03	.03	.02	.02	.03	.03	.03	.02	.03	.03	.03	.02	.02	.02	.02	.03	.02	.03	.027	23	.04
19	.02	.02			.03	.02	.02	.02	.02							.04	.04	.03	.03	.02	.02	.02	.02	.02	.024	16	.05
20	.02	.01			.01	.01	.01	.02	.01	.01	.01	.02	.03	.04	.04	.04	.04	.04	.03	.02	.02	.02	.02	.02	.022	22	.05
21	.02	.02			.01	.01	.01	.02	.02	.02	.03	.03	.04	.04	.04	.04	.04	.04	.03	.02	.02	.02	.02	.02	.025	22	.05
22	.02	.02		.03	.02	.02	.02	.03	.03	.03	.02	.03	.05	.06	.05	.04	.03	.04	.04	.04	.04	.04	.05	.05	.035	23	.07
23*	.04	.04			.03	.03	.03	.04	.03	.02	.01	.01	.02	.02	.03	.03	.03	.03	.03	.03	.02	.02	.03	.03	.027	22	.05
24*	.03	.03		.03	.03	.03	.03	.03	.03	.03	.04	.03	.04	.04	.04	.04	.04	.03	.03	.02	.02	.02	.02	.02	.030	23	.04
25	.02	.02		.02	.02	.02	.01	.01	.03	.03	.04	.05	.05	.05	.05	.06	.05	.04	.03	.03	.04	.03	.03	.04	.034	23	.07
26	.04	.04			.03	.02	.02	.02	.01	.02	.03	.04	.05	.05	.04	.06	.06	.05	.03	.04	.04	.04	.04	.03	.035	22	.07
27	.03	.03		.03	.02	.02	.02	.03	.04	.05	.05	.06	.06	.07	.06	.06	.06	.05	.04	.07	.07	.05	.02	.03	.044	23	.12
28	.04	.04			.04	.02	.03	.03	.04	.04	.03	.04	.05	.06	.06	.04	.04	.04	.03	.02	.04	.04	.05	.02	.037	22	.08
29	.04	.03		.02	.02	.02	.02	.03	.05	.04	.04	.04	.05			.04	.04	.02	.02	.03	.03	.02	.03	.03	.030	21	.06
30*	.03	.03		.04	.04	.04	.03	.03	.04	.04	.04	.05	.05	.05	.05	.05	.05	.04	.04	.02	.02	.03	.04	.03	.037	23	.06
31*	.03	.03		.03	.03	.02	.02	.03	.03	.03	.04	.04	.05	.05	.05	.05	.06	.05	.04	.03	.03	.02	.03	.03	.035	23	.06
MEAN	.02	.02		.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.04	.04	.04	.03	.03	.02	.02	.02	.02	.02	.02	.025		
NO.	29	29		23	29	28	28	30	29	28	27	27	29	27	26	30	31	31	31	31	31	31	31	30		666	
MAX	.04	.04		.04	.04	.04	.03	.04	.05	.05	.05	.06	.06	.07	.06	.06	.06	.05	.05	.07	.07	.06	.05	.05	.044		.12

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-64

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

WASHINGTON, D.C.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
APRIL 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN MAX.
1	.03			.03	.03	.03	.03	.02	.01	.01	.02	.02	.03	.02	.03	.03	.03	.03	.03	.02	.02	.02	.02	.02	.024	22	.04
2	.02	.01			.02	.01	.01	.04	.02	.02	.02	.03	.03			.02	.02	.02	.02	.01	.02	.02	.02	.02	.017	20	.04
3	.02	.03			.01	.01	.01	.01	.01	.02	.02	.02	.03	.02	.02	.02	.02	.01	.02	.02	.02	.02	.02	.01	.017	22	.03
4	.02	.02			.02	.01	.01	.01	.01	.01	.02	.02	.02	.02	.01	.02	.02	.02	.02	.02	.02	.02	.02	.02	.017	22	.03
5	.02	.02			.03	.02	.02	.02	.02	.02			.02	.02	.02	.03	.03	.03	.03	.03	.02	.03	.03	.03	.024	20	.04
6*																											
7*																											
8									.02	.02	.03	.02	.03	.02	.01	.04	.03	.02	.02	.02	.02	.02	.02	.02	.021	16	.05
9	.02	.02		.01	.01	.01	.02	.02	.03	.03	.04	.05	.05	.05	.05	.05	.04	.04	.03	.03	.04	.04	.04	.02	.031	23	.05
10	.02	.03			.02	.02	.01	.02	.01	.02	.01	.03	.04				.03	.03	.03	.02	.03	.02	.02	.02	.023	19	.05
11		.02			.02	.02	.02	.02	.02	.02	.03	.03	.04	.04	.03	.04	.04	.03	.03	.01	.01	.02	.01	.06	.026	21	.10
12	.03	.01		.01	.05	.04	.03	.02	.01	.02	.04	.05	.07	.08	.08	.07	.07	.05	.04	.02		.03			.040	20	.08
13*	.02	.02			.01	.02	.02	.02	.02	.04	.02	.04	.05	.06			.10	.08	.04	.02	.02		.02	.03	.033	19	.10
14*	.03	.03		.02	.02	.03	.06	.03			.07		.07	.08	.08				.09	.10	.06		.04	.04	.053	16	.10
15	.02	.03		.03		.02	.01	.01	.01	.00	.01	.02	.02	.02	.03	.03	.03	.03	.03	.02	.02	.02	.02	.02	.020	22	.03
16	.02	.03		.03	.03	.03	.02	.02	.02	.02	.03	.03	.03	.03			.05	.04	.03	.02	.02	.02	.02	.02	.026	21	.06
17					.01	.02	.02	.02	.02			.05	.06	.06		.05	.04	.04	.04	.03	.02	.03	.04	.04	.034	17	.06
18	.03	.02		.03	.04	.03	.03	.02	.03	.03	.05	.05	.04	.05	.06	.06	.06	.05	.04	.03	.02	.02		.02	.037	22	.07
19	.03	.03			.02	.02	.02	.03	.03	.04	.07	.07	.08	.10		.07	.08	.07	.06	.03	.04	.03	.02	.03	.045	21	.11
20*	.03	.04			.03	.03	.03	.03	.03	.04	.05	.07								.04	.04	.03	.03	.03	.036	15	.07
21*	.02	.01				.01							.03	.03		.04	.04	.04	.03	.02	.02	.03	.02	.01	.025	14	.04
22	.02	.03		.02	.02	.01	.01	.02	.01	.02	.02	.02	.03		.02	.03	.02	.02	.01	.01	.02	.02	.01	.01	.017	22	.03
23	.02	.03				.03	.02	.03	.03	.03	.02	.03	.04	.04		.04	.04	.03	.02	.02	.03	.03	.03	.02	.029	20	.04
24	.03	.03		.03	.03	.03	.02	.00	.01	.00	.01	.01	.01	.01	.00	.01	.01	.01	.01	.01	.01	.01	.02		.013	22	.04
25																											
26	.02	.01		.01	.01	.01	.01	.01	.01				.03	.04	.04	.04	.04	.04	.04	.04	.03	.02	.02	.02	.023	20	.04
27*	.02	.02		.03	.02	.02	.01	.01	.02	.01	.02	.02	.02	.02	.02	.03	.02	.02	.02	.01	.02	.02	.04	.03	.020	23	.05
28*	.02	.01		.01	.01	.01	.02	.02	.03	.04	.04	.05	.05	.06	.06	.06	.05	.05	.04	.02	.03	.02	.02	.02	.032	23	.06
29																											
30																											
MEAN	.02	.02			.02	.02	.02	.02	.02	.02	.03	.03	.04	.04	.04	.04	.04	.03	.03	.03	.02	.02	.02	.02	.027		
NO	22	22		12	21	24	23	23	23	21	21	21	24	21	16	20	23	23	24	25	24	23	23	23		502	
MAX	.03	.04		.03	.05	.04	.06	.03	.03	.04	.07	.07	.08	.10	.08	.07	.10	.08	.09	.10	.06	.04	.04	.06	.053		.11

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-65

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

WASHINGTON, D.C.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
MAY 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1 2 3 4* 5*																											
6 7 8 9 10																											
11* 12* 13 14 15																											
16 17 18* 19* 20																											
21 22 23 24 25*																											
26* 27 28 29 30		.03		.03	.03	.02	.02	.02	.02	.03	.05	.05	.06	.05	.04	.04	.03	.04	.04	.04	.03	.02	.02	.02	.033	22	.07
31	.03	.03		.03	.02	.02	.03	.03	.04	.04	.04	.04	.05	.05	.04	.04	.04	.04	.04	.03	.02	.02	.02	.02	.031	23	.05
MEAN NO. MAX.	1 .03	2 .03		2 .03	2 .03	2 .02	2 .03	2 .03	2 .04	2 .04	2 .05	2 .05	2 .06	2 .05	2 .04	2 .04	2 .04	2 .04	2 .04	2 .04	2 .03	2 .02	2 .02	2 .02	.033	45	.07

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-66

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

WASHINGTON, D.C.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
JUNE 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX
1*	.02	.01		.01	.01	.02	.02	.03	.04	.06	.07	.07	.08	.08	.08	.09	.10	.09	.07	.06	.06	.06	.07	.06	.054	23	.11
2*	.06	.05		.05	.05	.04	.03	.04	.04	.05	.05	.06	.05	.04	.04	.03	.02	.02	.01	.02	.01	.01	.01	.01	.034	23	.07
3	.01	.01		.01	.01	.00	.01	.02	.02	.03			.05	.04	.03	.04	.03	.03	.03	.02	.02	.02	.02	.02	.022	21	.07
4																											
5		.02		.02	.01	.04	.05	.05	.05	.07	.10	.10	.12	.15	.19	.25	.23	.21	.17	.11	.05	.03	.03	.02	.094	22	.29
6	.02	.02		.02	.02	.02	.02	.03	.06	.08	.11	.11	.11	.11	.11	.10	.11			.05	.05	.06	.06	.06	.063	21	.13
7	.06	.07		.05	.04	.02	.02	.03	.04	.06	.09	.08	.08	.08	.09	.08				.03	.02	.02	.03	.02	.051	20	.11
8*	.02	.02		.02	.02	.01	.01	.01	.01	.02	.02	.03	.02	.04	.04	.03	.03	.02	.01	.01	.01	.01	.01	.01	.017	23	.05
9*	.01	.01		.01	.01	.01	.01	.01	.01	.02	.02	.03	.04	.04	.04	.04	.03	.01	.01	.01	.01	.01	.01	.01	.017	23	.05
10	.01	.01		.00	.00	.00	.00	.01	.02	.02	.03	.04	.04	.04	.04	.04	.04	.04	.03	.03	.02	.02	.01	.01	.021	23	.05
11	.01	.01		.01	.01	.01	.01	.01							.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.005	17	.02
12	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.006	23	.02
13	.01	.01		.01	.01	.01	.01	.01				.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.012	20	.03
14	.01	.00		.00	.00	.01	.01	.01	.01	.02	.03	.03	.03			.06	.06	.07	.05	.03	.02	.02	.02	.02	.023	21	.08
15*	.02	.01		.01	.01	.01	.02	.02	.04	.05	.07	.08	.10	.12	.14	.12	.12	.10	.07	.04	.02	.02	.02	.02	.053	23	.16
16*	.02	.01		.02	.01	.02	.02	.03	.05	.08	.11	.13	.14	.15	.11	.09	.06	.04	.03	.02	.02	.02	.02	.02	.052	23	.18
17	.02	.02		.01	.01	.01	.01	.01	.01	.03	.03							.01	.01	.01	.01	.01	.01	.01	.013	17	.03
18						.01	.01	.01	.02	.03	.05	.07		.06		.06	.07	.06	.05	.04	.02			.02	.037	15	.08
19	.01			.03	.02	.02	.01			.04	.04	.05	.05	.07	.06			.04	.04	.03	.02	.01	.01	.01	.031	18	.08
20	.02	.01		.02				.02		.03			.03		.04	.04	.04	.05	.04	.02	.01	.01	.01	.01	.026	16	.05
21	.01	.01		.02	.01	.02	.02	.02	.03	.04	.04	.04		.07	.06	.06	.05		.05	.03	.02	.02	.02	.02	.031	21	.08
22*	.03	.02		.03	.02	.02	.03	.04	.04	.06	.08	.09	.08	.09	.09	.09	.08	.08	.06	.04	.03	.02	.02	.02	.050	23	.11
23*	.03			.02	.03		.04	.05	.07	.08	.09		.10			.09	.08	.09		.08	.07	.06	.07		.066	16	.11
24	.04	.03			.03	.03	.03	.03	.05	.04	.06	.06	.09	.09	.09	.08	.07	.02	.00			.01	.00	.01	.043	20	.12
25	.01	.01		.00	.00	.00	.00	.02	.04	.05	.06	.06			.09	.08	.07	.07	.06	.05	.03	.02	.02	.02	.035	21	.13
26	.02	.02		.01	.01	.00	.00	.01	.02	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03			.01	.01	.01	.020	21	.04
27	.01	.01		.03	.03	.02	.01				.01	.02	.02				.02	.01	.02	.01	.01	.01	.01	.02	.015	17	.03
28	.02	.02		.00	.00	.00	.00	.01	.02	.03	.02	.03	.03							.02	.01	.00	.01	.01	.013	17	.04
29*	.01	.01				.01	.01	.01	.02	.03	.05	.06	.06	.06	.06	.07	.06	.06						.02	.038	16	.08
30*	.02			.01	.01	.01	.01	.02	.04	.06	.07	.07	.07	.08	.08	.07	.08	.07	.05	.03			.02	.02	.044	20	.09
MEAN	.02	.02		.02	.01	.01	.01	.02	.03	.04	.05	.06	.06	.07	.07	.07	.06	.05	.04	.03	.02	.02	.02	.02	.034		
NO	27	29		26	26	27	28	27	24	26	25	24	24	21	23	25	25	25	24	26	25	26	27	28		584	
MAX	.06	.07		.05	.05	.04	.05	.05	.07	.08	.11	.13	.14	.15	.19	.25	.23	.21	.17	.11	.07	.06	.07	.06	.094		.29

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-67

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

WASHINGTON, D.C.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
JULY 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX.
1	.02	.02		.01	.00	.00	.00			.17	.11	.08	.08	.10	.09	.06	.08	.09	.06	.04	.03	.03	.03	.04	.053	23	.18
2	.03	.03		.01	.00	.00	.00	.02	.06	.07	.08	.07	.07	.07	.07	.07	.02	.01	.01	.01	.01	.01	.01	.01	.032	23	.11
3	.02	.01		.03	.02	.02	.01	.02	.02	.03	.03	.04	.05	.05	.07	.05	.03	.02	.02	.01	.01	.01	.01	.01	.026	23	.09
4	.01	.01		.01	.01	.01	.01	.02	.03	.03	.05	.06	.08	.09	.10	.09	.08	.07	.06	.04	.02	.01	.02	.02	.039	23	.12
5	.00	.01		.01	.01	.01	.02	.02	.04	.04	.05	.09	.12	.12	.16	.18	.09	.08	.07	.05	.04	.02	.02	.02	.055	23	.23
6*	.02	.01		.04	.03	.02	.02	.03	.04	.05	.08	.10	.09	.10	.10	.09	.09	.09	.07	.05	.03	.02	.02	.01	.051	23	.11
7*	.01	.01		.01	.01	.01	.01	.02	.03	.04	.06	.09	.09	.12	.12	.12	.12	.12	.09	.05	.04	.05	.05	.06	.057	23	.14
8	.07	.05		.04	.02	.01	.00	.01	.03	.04	.06	.07	.06	.04	.04	.05	.04	.06	.06	.04	.05	.05	.06	.06	.042	23	.08
9	.04	.05		.07	.04	.02	.02	.02					.06	.04	.04	.04	.05	.04	.05	.03	.03	.02	.03	.02	.037	19	.07
10	.02	.01		.02	.02	.00	.01	.01	.01	.01	.02	.05				.08	.09	.10	.10	.07	.05	.05	.04	.05	.040	20	.11
11										.03	.04	.04	.04	.04	.04	.04	.04	.04	.05	.04	.03	.02	.02	.02	.034	15	.06
12	.02	.02		.01	.01	.01	.01	.01	.02	.02	.03	.04	.06	.06	.06	.06	.06	.05	.05	.02	.01	.01	.01	.01	.027	23	.08
13*	.01	.00		.00	.00	.00	.01	.01	.02	.03	.00	.01	.05	.04	.04	.04	.03	.04	.04	.02	.02	.01	.01	.02	.019	23	.07
14*	.02	.01		.01	.00	.01	.00	.01	.01	.02	.02	.04	.05	.06	.06	.05	.05	.04	.03	.02	.02	.01	.01	.01	.023	23	.07
15	.01	.01		.00	.00	.00	.00	.01	.04	.05	.05	.07	.07	.07	.06	.05	.06	.06	.05	.03	.01	.02	.02	.02	.032	23	.08
16	.02	.02		.02	.02	.01	.01	.01	.02	.03	.05	.07	.08	.07	.06	.06	.05	.06	.06	.05	.03	.01	.01	.02	.035	23	.09
17	.02	.02		.02	.01	.01	.01	.02	.02	.04	.05	.07	.08	.08	.08	.08	.07	.08	.07	.05	.05	.03	.02	.01	.042	23	.09
18	.02	.01		.01	.01	.00	.00	.03	.06	.10	.07	.07	.08	.08			.06	.06	.04	.04	.05	.07	.07	.05	.046	21	.12
19	.04	.03		.01	.01	.01	.01	.01	.02	.03	.05	.07	.10	.09			.01	.01	.01	.01	.00	.00	.00	.00	.024	21	.11
20*	.00	.01		.01	.00	.00	.01	.01	.01	.02	.03	.03	.04	.03	.04	.03	.04	.03	.03	.02	.01	.00	.00	.01	.018	23	.04
21*	.00	.00		.00	.00	.00	.00	.02	.02	.04	.05	.06	.09	.11	.14	.16	.16	.09	.05	.05	.03	.02	.02	.02	.049	23	.18
22	.01	.01		.02	.02	.01	.01	.01	.03	.04	.06	.06	.08	.08	.07	.06	.05	.06	.06	.06	.03	.03	.02	.03	.039	23	.10
23	.03	.03		.03	.02	.01	.00	.01	.02	.05	.06	.08	.09	.09	.08	.09	.08	.07	.06	.04	.03	.02	.02	.02	.044	23	.11
24	.04	.04		.02	.02	.01	.00	.01	.04	.07	.06	.09	.09	.08	.06	.05	.04	.03	.02	.02	.01	.01	.01	.01	.035	23	.11
25	.01	.01		.00	.00	.00	.00	.02	.03	.05	.05	.06	.05	.05	.04	.05	.03	.03	.03	.02	.02	.01	.01	.01	.025	23	.08
26	.01	.01		.01	.01	.00	.00	.00	.00	.02	.03	.05	.06	.07	.11	.11	.10	.09	.04	.06	.04	.03	.03	.02	.039	23	.19
27*	.02	.02		.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.02	.03	.02	.02	.02	.02	.01	.02	.01	.01	.01	.021	23	.04
28*	.00	.02		.03	.03	.02	.01	.01	.02	.03	.04	.06	.06	.08	.08	.07	.07	.06	.05	.04	.03	.02	.01	.01	.037	23	.09
29	.01	.03		.02	.02	.01	.00	.02	.03	.04	.05	.06	.08	.06	.05	.07	.07	.07	.07	.05	.02	.02	.01	.01	.038	23	.10
30	.01	.01		.01	.01	.01	.01	.01	.02	.05	.08	.08	.08	.08	.08	.08	.08	.07	.06	.06	.06	.05	.05	.04	.047	23	.10
31	.04	.04		.04	.01	.02	.02	.03	.06	.07	.06	.06	.06	.05	.05	.04	.04	.04	.04	.02	.02	.01	.01	.01	.036	23	.08
MEAN	.02	.02		.02	.01	.01	.01	.02	.03	.04	.05	.06	.07	.07	.07	.07	.06	.06	.05	.04	.03	.02	.02	.02	.037		
NO.	30	30		30	30	30	30	29	28	30	30	30	30	30	28	29	31	31	31	31	31	31	31	31		692	
MAX.	.07	.05		.07	.04	.02	.02	.03	.06	.17	.11	.10	.12	.12	.16	.18	.16	.12	.10	.07	.06	.07	.07	.06	.057		.23

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-68

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

WASHINGTON, D.C.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
AUG. 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	.01	.02		.02	.02	.01	.00	.04	.05	.05	.07	.08	.06	.05	.05	.05	.04	.04	.03	.01	.01	.01	.02	.01	.032	23	.09
2	.01	.01		.01	.01	.00	.00	.00	.02	.03	.04	.06	.08	.10	.12	.11	.06	.04	.02	.01	.01	.01	.01	.01	.034	23	.13
3*	.02	.02		.03	.02	.01	.01	.01	.03	.05	.08	.12	.15	.14	.12	.09	.07	.05	.04	.02	.02	.02	.01	.02	.050	23	.18
4*	.01	.01		.05	.04	.02	.02	.02	.04	.07	.09	.08	.06	.04	.05	.04	.03	.02	.01	.01	.00	.00	.00	.00	.032	23	.10
5																											
6		.01		.00	.01	.00	.00	.00	.01	.02	.04	.08	.10	.11	.10	.08	.06	.06	.04	.02	.02	.01	.01	.01	.035	22	.13
7	.01	.03		.04	.04					.04	.06	.06	.05	.06	.08	.07	.03	.02	.01	.01	.01	.01	.01	.02	.035	19	.10
8	.03	.03		.00	.01	.01	.00	.01	.03	.06	.09	.11	.14	.16	.18	.16	.17	.15	.12	.07	.04	.03	.02	.02	.070	23	.20
9	.02	.04							.04	.05	.06	.10	.10	.09	.09	.08	.08	.08	.06	.03	.02	.02	.01	.01	.054	18	.12
10*	.01	.01		.02	.03	.02	.02	.03	.04	.05	.07	.07	.07	.08	.08	.05	.02	.01	.01	.02	.03	.03	.03	.02	.035	23	.10
11*	.02	.02		.03	.02	.02	.02	.02	.02	.03	.04	.05	.05	.06	.06	.06	.06	.06	.04	.03	.03	.02	.02	.03	.034	23	.07
12	.02	.02		.01	.00	.01	.01	.01	.03	.03	.04	.07	.08	.08	.08	.08	.09	.10	.07	.07	.06	.04	.06	.05	.047	23	.11
13	.04	.03		.05	.04	.02	.02	.03	.04	.04	.06	.06	.07	.07	.07	.07	.06	.05	.07	.06	.05	.03	.04	.03	.047	23	.09
14	.03	.03		.03	.02	.01	.00	.00	.01	.04	.03	.04	.08	.08	.07	.06	.04	.02	.01	.00	.00	.00	.01	.01	.026	23	.11
15	.01	.01		.01	.02	.01	.00	.01	.04	.06	.09	.12	.13	.14			.13	.12	.10	.07	.05	.05	.04	.03	.060	21	.16
16	.05	.06		.06	.05	.04	.02	.02	.02	.03	.04	.05	.06	.06	.05	.06	.05	.05	.05	.04	.03	.03	.03	.01	.040	23	.07
17*	.00	.00		.01	.01	.00	.00	.00	.02	.05	.04	.06	.06			.05	.04	.04	.03	.02				.02	.027	18	.07
18*	.02				.03	.03	.03	.05	.05	.06	.08	.09	.09	.09	.09	.10	.08	.09	.09	.07	.04	.05	.04	.05	.062	21	.12
19	.05	.04		.04	.02	.01		.02	.03	.02	.04	.05	.05	.05	.06	.07	.07	.06	.05	.04	.05	.03	.03	.03	.041	22	.09
20	.03	.03		.03	.02	.01	.00	.00	.02	.04	.06	.07	.09	.06	.03	.03	.03	.05	.03	.02	.02	.02	.01	.01	.030	23	.12
21	.01	.01		.02	.01	.01	.01	.03	.05	.06	.07	.07	.06	.07	.08	.06	.07	.06	.05	.03	.02	.02	.01	.02	.038	23	.08
22	.02	.02		.02	.01	.01	.01	.02	.03	.04	.06	.13	.13	.16	.16	.13	.12	.08	.07	.05	.03	.03	.03	.02	.059	23	.18
23	.02	.04		.04	.04	.02	.03	.04	.06	.08	.09	.09	.08	.09	.10	.10	.10	.10	.07	.03	.02	.04	.03	.03	.057	23	.12
24*	.03	.07		.07	.05	.03	.02	.04	.05	.07	.09	.10	.11	.11	.09	.06	.06	.03	.06	.04	.02	.02	.02	.01	.054	23	.12
25*	.01	.02		.02	.02	.01	.01	.02	.03	.07	.09	.09	.08	.08	.07	.06	.06	.07	.05	.05	.02	.01	.01	.01	.042	23	.10
26	.02	.03		.02	.02	.01	.00	.01	.02	.02	.03	.03	.04		.04	.05	.04	.04	.03	.02	.01	.01	.01	.01	.022	22	.05
27	.01	.01		.01	.01	.01	.01	.01		.02	.03	.03	.03	.03	.03	.03	.03	.03	.02	.02	.03	.01	.02	.02	.019	22	.04
28	.01	.02		.01	.01	.01	.02	.02	.02	.04	.04	.05	.05	.06	.06	.06	.07	.06	.03	.02	.02				.033	20	.08
29									.03	.04	.06	.07	.08	.10	.10	.09	.07	.06	.04	.02	.02	.02	.03	.04	.054	18	.12
30	.03	.03		.02	.02	.02	.02	.03	.02	.03	.04	.06	.07	.07	.07	.08	.08	.08	.05	.02	.02	.03	.06	.11	.045	23	.15
31*	.06	.07		.06	.02	.05	.02	.03	.03	.06	.08	.09	.10	.11	.11	.09	.09	.08	.07	.04	.02	.02	.02	.01	.058	23	.12
MEAN	.02	.03		.03	.02	.01	.01	.02	.03	.05	.06	.07	.08	.09	.08	.07	.07	.06	.05	.03	.02	.02	.02	.02	.042		
NO	28	28		27	28	27	26	27	28	30	30	30	30	28	28	29	30	30	30	30	29	28	28	29		658	
MAX	.06	.07		.07	.05	.05	.03	.05	.06	.08	.09	.13	.15	.16	.18	.16	.17	.15	.12	.07	.06	.05	.06	.11	.070		.20

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-69

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

WASHINGTON, D.C.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
SEPT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN MAX.
1*	.01	.01		.01	.01	.01	.01	.01	.02	.02	.03	.03	.03	.03	.03	.03	.03	.03	.02	.02	.01	.01	.01	.01	.019	23	.04
2	.01	.01		.01	.01	.01	.01	.01	.01	.02	.03	.04	.05	.06	.05	.01	.07	.05	.03	.03	.01	.01	.01	.02	.027	23	.08
3	.02	.02		.02	.01	.02	.02	.03	.02	.04	.04	.06	.07	.07			.06	.05	.04	.02	.02	.02	.02	.01	.030	21	.08
4	.01	.01		.01	.01	.02	.03	.02	.03	.05	.06	.10	.11	.11	.08	.08	.08	.06	.03	.03	.02	.03	.01	.02	.044	23	.14
5																											
6									.00	.01	.01	.01	.03	.03	.03	.03	.03	.04	.03	.02	.02	.01	.01	.01	.018	16	.05
7*	.01	.01		.01	.01	.01	.02	.02	.03	.05	.05	.05	.06	.07	.08	.08	.08	.08	.07	.04	.02	.03	.03	.06	.042	23	.11
8*	.07	.07		.03	.01	.01	.04	.03	.04	.08	.10	.10	.11	.12	.12	.12	.12	.11	.09	.03	.03	.03	.05	.05	.067	23	.14
9	.06	.05		.03	.04	.04	.04	.04	.04	.06	.07	.09	.09			.07	.07	.07	.05	.05	.05	.04	.04	.02	.051	21	.10
10	.03	.02		.02	.02	.01	.01	.01	.01	.01	.01	.01	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.012	23	.09
11	.01	.01		.01	.01	.01	.01	.02	.02	.03	.03	.04	.04	.04	.04	.02	.03	.02	.02	.01	.01	.01	.01	.01	.020	23	.05
12	.01	.01		.01	.01	.01	.02	.02	.02	.03	.03	.03	.04	.04	.04	.04	.03	.03	.02	.02	.02	.02	.02	.02	.023	23	.05
13	.02	.02		.03	.02	.02	.02	.03	.03	.03	.05	.06	.07	.07	.06	.06	.05	.04	.02	.02	.03	.03	.02	.03	.036	23	.08
14*	.02	.02		.01	.01	.02	.02	.02	.03	.04	.04	.05	.06	.07	.07	.06	.06	.04	.02	.03	.03	.04	.05	.08	.038	23	.11
15*	.08	.08		.01	.01	.02	.03	.02	.03	.03	.05	.07	.08	.10	.11	.13	.15	.10	.05	.03	.03	.03	.03	.03	.056	23	.17
16																											
17																											
18																											
19																											
20																											
21*																											
22*																											
23											.12	.12	.13	.13	.10	.08	.08	.07	.04	.03	.03	.04	.04	.05	.075	14	.15
24	.05	.05		.05	.04	.02	.02	.03	.04	.04	.07	.10				.07	.05	.05	.03	.03	.02	.03	.02	.02	.041	20	.12
25	.02	.03		.01	.01	.01	.01	.01	.01	.02	.04					.07	.06	.04	.03	.03	.02	.02	.02	.02	.024	19	.09
26	.01	.01		.02	.02	.01	.01	.01	.01	.02	.04	.05	.06	.07	.06	.05	.05	.03	.02	.03	.02	.02	.02	.02	.029	23	.08
27	.03	.04		.04	.04	.02	.03	.02	.02	.05	.06	.08	.08	.09		.07	.06	.06	.05	.03	.03	.03	.03	.04	.045	22	.10
28*	.03	.02		.02	.03	.02	.02	.03	.04	.06	.07	.07	.07	.07	.07	.06	.05	.04	.02	.02	.02	.02	.02	.02	.038	23	.09
29*	.01	.02		.01	.01	.01	.01	.01	.02	.02	.04	.05	.05	.05	.04	.04	.04	.03	.02	.02	.01	.02	.04	.05	.027	23	.08
30	.04	.02		.01	.01	.02	.05	.04	.05	.04		.05	.05	.05	.05	.04	.04			.02	.02	.03	.02	.02	.033	20	.07
MEAN	.03	.03		.02	.02	.02	.02	.02	.02	.04	.05	.06	.06	.07	.06	.06	.06	.05	.03	.03	.02	.02	.02	.03	.036		
NO.	20	20		20	20	20	20	20	21	21	21	21	20	19	17	21	22	21	21	22	22	22	22	22		475	
MAX.	.08	.08		.05	.04	.04	.05	.04	.05	.08	.12	.12	.13	.13	.12	.13	.15	.11	.09	.05	.05	.04	.05	.08	.075		.17

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-70

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

WASHINGTON, D.C.

TOTAL OXIDANT
OCT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5 MIN. MAX.
1																											
2		.03		.03	.01	.01	.02	.02	.02	.04	.04	.05	.06	.06	.05	.05	.04	.05	.03	.03	.03	.04	.04	.04	.035	22	.08
3	.04	.04		.04	.03	.02	.02	.02	.02		.03	.05	.05	.04	.03	.02	.01	.01	.01	.01	.02	.02	.03	.03	.026	22	.06
4	.04	.04		.04	.03	.02	.02	.02	.02	.02	.02	.03	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.020	23	.06
5*	.01	.01		.01	.01	.00	.01	.01	.01	.01	.02	.02	.02	.03	.03	.03	.03	.02	.01	.03	.04	.07	.07	.09	.025	23	.14
6*	.08	.08		.07	.07	.07	.07	.05	.03	.01	.03	.04	.04	.05	.05	.05	.04	.02	.02	.02	.01	.01	.01	.02	.041	23	.10
7	.02	.02		.01	.01	.01	.01	.01	.02	.02	.03	.03	.03	.03	.02	.02	.02	.01	.01	.01	.01	.01	.00	.01	.015	23	.03
8	.01	.02		.01	.01	.01	.02	.02	.02	.03	.04	.05	.06	.05	.06	.06	.05	.04	.02	.02	.02	.02	.02	.03	.029	23	.07
9	.01	.01		.03	.02	.02	.01	.02	.01	.02	.03	.04	.04	.04	.04	.04	.03	.03	.02	.02	.01	.01	.01	.02	.023	23	.06
10	.02	.02		.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.015	23	.04
11	.01	.01		.01	.01	.01	.01	.02	.01	.02	.01	.01	.01	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.011	23	.03
12*																											
13*																											
14											.01	.02	.03	.04	.03	.03	.03	.02	.01	.01	.01	.01	.01	.01	.018	14	.04
15	.01	.01		.01	.01	.02	.01				.02	.03	.03	.03	.04	.03	.03	.02	.04	.06	.05	.03	.02	.04	.028	20	.09
16	.03	.03		.02	.01	.01	.02	.02	.03	.02	.02	.03	.04	.04	.03	.03	.02	.02	.01	.02	.03	.03	.02	.03	.024	23	.05
17	.02	.01		.01	.00	.01	.01				.03	.03	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.015	20	.04
18	.01	.01		.00	.00	.01	.02	.02	.02	.01	.02	.02				.02	.01	.01	.01	.01	.01	.01	.01	.01	.011	20	.02
19*	.01	.01		.02	.01	.01	.01	.01	.00	.00	.00	.00	.01	.01	.01	.01	.01	.00	.01	.01	.01	.01	.01	.01	.008	23	.02
20*	.02	.02		.01	.02	.01	.01	.01	.02	.03	.03	.04	.05	.06	.06	.06	.04	.03	.02	.02	.02	.02	.01	.01	.026	23	.07
21	.01	.02		.02	.01	.01	.01	.01	.02	.02	.02	.02	.02	.03	.03	.02	.02	.01	.02	.02	.04	.03	.04	.04	.021	23	.07
22	.05	.09		.09	.07	.05	.13	.11	.06	.02	.03	.04	.05	.04	.04	.03	.02	.02	.02	.03	.03	.02	.02	.01	.046	23	.17
23	.04	.04		.03	.01	.01	.03	.04	.03	.03	.03	.04	.05	.05	.04	.03	.02	.02	.01	.02	.02	.02	.02	.02	.028	23	.07
24	.01	.01		.01	.01	.01	.01	.03	.02	.02	.02	.02	.03	.03	.03	.03	.02	.02	.01	.01	.01	.01	.01	.00	.016	23	.04
25	.00	.01		.01	.01	.01	.01	.01	.00	.01	.02	.02	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.013	23	.03
26*	.01	.01		.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.014	23	.03
27*	.01	.01		.02	.01	.01	.01	.01	.01	.02	.03	.03	.04	.04	.03	.03	.02	.01	.02	.01	.01	.01	.01	.02	.017	23	.04
28																											
29																											
30																											
31																											
MEAN	.02	.02		.02	.02	.01	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.022		
NO	22	23		23	23	23	23	21	21	20	24	24	23	23	23	24	24	24	24	24	24	24	24	24		532	
MAX	.08	.09		.09	.07	.07	.13	.11	.06	.04	.04	.05	.06	.06	.06	.06	.05	.05	.04	.06	.05	.07	.07	.09	.046		.17

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-71

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

WASHINGTON, D.C.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
NOV. 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS.	5-MIN MAX.
1 2* 3* 4 5																											
6 7 8 9* 10*																											
11 12 13 14 15																											
16* 17* 18 19 20																											
21 22 23* 24* 25																											
26 27 28 29 30*																											
MEAN NO. MAX.																									.000		.00

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-72

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

WASHINGTON, D.C.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
DEC. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1* 2 3 4 5																											
6 7* 8* 9 10																											
11 12 13 14* 15*																											
16 17 18 19 20																											
21* 22* 23 24 25																											
26 27 28* 29* 30 31																											
MEAN NO MAX																									.000		.00

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

SECTION 4.
SOILING INDEX
DATA TABLES

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SOILING INDEX DATA TABLES

Tables 4-1 through 4-12 present soiling index values at the station by month. Each value was obtained from a 2-hour integrated sample beginning at the time indicated in the column heading. A missing value indicates that the sample was not taken or was invalid because of instrument malfunction.

The first summary line (titled MONTHLY MEAN) represents the arithmetic mean of the 2-hour average values in the column, and is calculated only if 16 or more days are represented. The first summary column (titled DAILY MEAN) gives the arithmetic mean of the 2-hour values for the day; if fewer than seven such values are present, the daily mean is not calculated, and the data are not included in the summaries; however, the component 2-hour values for the day are not deleted from the table as is done with data on gaseous pollutants.

The other summary columns and rows are the number of an maximum of the respective 2-hour values. Four summary figures appear in the lower right corner; the mean and maximum values for the month are the upper left and lower right figures, respectively, while the center figure is the total number of values. The lower left summary number is the maximum daily average from the column above.

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Table 4-1

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	WASHINGTON D.C. AVG	JAN/68 N (1)	MAX (2)
01	1.5	1.0	1.3	4.3	1.2	0.5	0.7	0.9	1.2	1.9	1.3	1.3	1.23	12	1.9
02	1.5	1.6	2.8	3.0	4.0	2.4	2.4	1.9	2.2	1.9	1.4	1.6	2.26	12	4.0
03	1.6	1.5	1.1	1.6	2.1	1.7	3.1	2.1	3.0	3.7	3.1	2.8	2.33	12	3.7
04	2.3	2.0	2.2	4.5	3.1	2.6	2.7	1.1	1.4	1.2	1.4	1.0	2.01	12	3.1
05	0.7	0.7	0.6	1.0	1.2	1.0	0.9	1.1	1.6	1.6	2.0	1.4	1.21	12	2.0
06	1.3	2.4	1.5	1.9	2.3	2.5	2.1	2.2	1.9	1.9	1.4	1.3	1.89	12	2.5
07	2.0	1.0	1.7	1.7	1.2	0.5	1.2	0.9	0.9	1.6	1.1	1.6	1.31	12	2.0
08	0.7	1.3	0.8	1.2	1.6	1.1	1.6	1.8	1.6	1.6	1.6	1.6	1.40	12	1.8
09	1.5	1.5	1.4	4.4	2.1	1.9	2.2	2.2	1.8	1.3	1.6	1.5	1.82	12	2.4
10	1.4	1.3	2.9	3.0	2.7	1.0	1.1	1.3	1.9	1.8	1.2	2.0	1.83	12	3.0
11	1.2	0.9	1.1	1.2	3.0	1.9	1.5	1.2	0.9	0.9	2.0	0.9	1.43	12	3.0
12	2.4	1.5	0.7	2.0	2.0	0.9	1.7	1.3	2.3	1.7	1.7	1.9	1.73	12	2.4
13	3.1	2.0	2.9	3.1	1.3	1.0	1.1	0.7	0.9	0.8	0.4		1.61	11	3.1
14	0.2	0.6	0.5	0.4	0.2	0.5	0.5	0.8	0.6	1.5	1.1	0.9	0.69	12	1.5
15	0.0	2.3	3.0	1.7	1.6	2.0	1.9	1.3	1.9	1.3	1.0	1.3	1.65	12	3.0
16	0.3	0.9	1.2	0.8	2.0	1.3	1.0	1.1	1.6	1.6	1.2	1.4	1.25	12	2.0
17	1.1	1.4	2.2	2.0	2.7	2.4	1.9	2.0	2.4	2.1	1.9	1.6	2.01	12	2.7
18	1.4	2.5	2.3	4.1	3.6	3.8	2.8	1.9	3.8	4.2	4.4	4.6	3.33	12	4.6
19	3.5	3.5	2.6	3.3	4.7	4.0	0.9	1.1	1.7	1.7	2.1	2.5	2.68	12	4.7
20	1.6	2.5	2.2	3.1	4.1	2.2	0.5	0.5	1.8	2.2	3.8	2.9	2.31	12	4.1
21	3.1	2.3	2.5	4.6	2.5	1.8	1.2	0.4	1.0	1.0	1.1	1.5	1.80	12	3.1
22	0.9	2.0	2.7	4.3	3.9	2.3	2.2	1.9	2.0	1.9	1.8	1.6	2.32	12	4.3
23	1.7	1.7	1.4	3.1	4.0	2.6	3.2	2.0	1.3	1.1	1.4	1.4	2.10	12	4.0
24	1.6	1.0	1.0	0.9	1.3	0.5	1.7	1.4	1.4	1.1	1.3	0.6	1.18	12	1.7
25	1.0	0.6	1.0	1.8	1.3	1.4	1.7	1.2	1.1	1.3	1.3	1.9	1.34	12	1.9
26	2.1	1.2	2.1	2.1	2.8	1.4	0.9	1.4	1.6	1.7	2.6	3.0	1.95	12	3.0
27	3.2	3.6	2.6	3.9	4.4	3.3	1.8	2.0	2.4	2.6	2.7	2.7	2.97	12	4.4
28	2.3	1.3	2.2	2.8	2.8	2.1	2.2	2.5	2.2	2.1	2.0	2.1	2.26	12	2.8
29	2.1	1.6	2.7	2.2	2.4	1.9	1.9	1.2	1.9	2.4	1.9	1.2	2.01	12	2.7
30	1.2	0.9	1.0	1.7	2.6	2.0	2.3	2.5	3.2	2.0	1.3	0.6	1.83	12	3.2
31	0.5	0.3	0.4	0.8	1.3	1.1	0.7	1.4	1.5	1.4	0.7	0.7	0.95	12	1.5
AVG	1.58	1.57	1.76	2.17	2.45	1.79	1.66	1.46	1.76	1.77	1.73	1.71	1.79		
N(3)	31	31	31	31	31	31	31	31	31	31	31	30		371	
MAX*	3.5	3.6	3.0	4.3	4.7	4.0	3.2	2.5	3.8	4.2	4.4	4.6	3.33		4.7

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-2

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
							WASHINGTON D.C.							FEB/68	
01	0.6	0.4	0.8	0.8	1.0	0.8	1.1	1.4	1.2	1.2	1.1	1.2	0.99	12	1.4
02	0.9	0.5	0.8	1.8	1.7	1.9	1.9	1.6	2.7	1.3	1.3	1.1	1.49	12	2.7
03	0.6	1.0	0.8	1.1	1.0	1.5	1.0	1.2	0.8	1.1	0.9	0.6	1.02	12	1.5
04	0.7	0.8	1.4	0.8	1.1	0.9	0.9	0.7	0.9	0.7	0.7	1.3	0.95	12	1.4
05	0.8	0.7	1.5	1.2	1.5	1.2	0.9	0.8	1.4	1.9	1.6	1.6	1.29	12	1.9
06	2.1	1.3	1.7	2.2	1.4	1.2	1.0	1.1	2.2	1.8	2.4	3.2	1.84	12	3.2
07	3.6	3.1	2.8	2.9	2.6	2.0	1.8	1.7	2.0	1.6	1.3	1.3	2.26	12	3.6
08	0.8	0.5	0.9	1.2	1.3	1.3	1.2	0.9	1.1	1.7	1.3	1.6	1.19	12	1.7
09	1.7	1.2	1.1	1.4	2.1	1.3	1.4	1.3	1.7	1.3	1.0	5.2	1.77	12	5.2
10	1.4	1.2	1.0	1.4	1.0	0.6	0.7	0.7	1.2	1.0	1.0	1.2	1.06	12	1.4
11	0.7	1.2	1.4	0.9	0.7	0.7	0.9	1.1	0.8	1.1	0.9	0.6	0.94	12	1.4
12	1.1	2.5	2.8	1.8	2.1	0.9	1.2	1.3	1.3	1.3	0.9	0.8	1.54	12	2.8
13	1.1	0.9	1.4	1.7	1.6	1.8	1.4	0.8	0.9	0.9	1.0	1.3	1.25	12	1.8
14	0.6	1.2	1.9	2.3	0.9	1.8	1.4	1.2	1.8	1.7	1.7	2.1	1.50	12	2.1
15	1.1	1.4	2.9	3.6	4.0	2.6	1.9	1.7	1.6	1.7	1.9	1.5	2.20	12	4.0
16	0.4	0.4	1.0	1.2	1.7	1.3	1.0	1.0	1.7	2.3	1.8	1.6	1.33	12	2.3
17	2.1	1.4	1.9	2.0	2.3	1.8	2.4	2.0	1.6	1.5	1.3	1.1	1.82	12	2.4
18	1.0	1.1	0.9	1.4	1.0	1.3	0.3	1.1	1.3	1.4	1.4	1.7	1.20	12	1.7
19	0.8	0.7	1.0	2.3	1.1	1.0	1.2	1.2	2.2	1.5	2.5	3.0	1.59	12	3.0
20	2.3	2.3	2.2	3.4	2.4	1.7	0.8	1.7	1.4	1.8	0.6	1.0	1.85	12	3.4
21	0.8	3.8	0.8	2.0	1.5	1.6	1.2	1.9	1.5	1.7	1.0	1.1	1.61	12	3.8
22	1.0	0.8	1.3	1.0	1.1	0.8	0.9	1.0	1.4	1.3	1.3	1.6	1.15	12	1.6
23	1.1	0.5	1.1	4.7	1.6	1.6	1.1	1.2	1.3	1.7	1.5	1.8	1.48	12	2.7
24	1.3	2.0	1.9	2.8	1.7	1.4	1.2	0.8	1.2	1.1	1.5	1.2	1.55	12	2.8
25	1.2	0.5	0.6	1.0	0.9	1.1	0.8	2.4	0.9	1.1	1.7	1.1	1.15	12	2.4
26	0.4	1.0	1.4	2.2	2.0	1.0	0.9	1.1	2.0	1.9	4.0	5.0	1.97	12	5.0
27	3.6	3.5	3.7	3.6	3.8	2.2	1.2	2.5	1.5	1.7	2.9	3.9	2.90	12	3.9
28	4.7	6.6	3.8	4.6	3.4	2.4	2.7	1.5	1.9	2.4	2.8	2.2	3.30	12	6.6
29	2.8	1.9	1.9	2.3	2.6	3.9	1.9	2.6	1.2	1.6	1.4	1.3	2.15	12	3.9
AVG	1.42	1.53	1.61	1.95	1.75	1.50	1.25	1.36	1.45	1.49	1.54	1.80	1.55		
N(3)	29	29	29	29	29	29	29	29	29	29	29	29		348	
MAX*	4.7	6.6	3.8	4.6	4.0	3.9	2.7	2.6	2.7	2.4	4.0	5.2	3.30		6.6

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-3

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DAY OF MONTH — TIME (STARTING HOUR) — WASHINGTON D.C. — MARCH/68

DAY OF MONTH	0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	3.4	3.1	2.1	1.3	1.4	1.3	1.6	1.6	1.5	1.8	1.5	1.0	1.82	12	3.4
02	1.3	1.4	1.7	2.1	1.3	2.3	1.3	0.7	1.5	1.2	0.9	1.0	1.44	12	2.3
03	0.9	0.8	0.5	0.7	0.6	1.4	0.9	1.1	1.2	1.1	1.0	0.9	0.97	12	1.4
04							2.7	1.5	1.6	1.3	1.5	1.0			
05	1.0	1.3	1.5	2.7	2.0	1.6	2.1	1.0	1.7	3.6	3.1	2.1	2.02	12	3.6
06	1.7	2.7	2.6	4.4	3.3	2.5	2.0	2.4	2.0	1.0	0.4	1.0	2.04	12	3.3
07	0.7	0.1	1.0	1.8	2.1	1.1	0.7	0.3	0.9	1.2	1.6	2.0	1.17	12	2.1
08	1.9	1.6	1.7	1.4	2.5	2.0	1.8	1.2	1.8	2.6	2.0	2.3	1.93	12	2.6
09	1.9	2.1	2.9	4.7	3.8	1.6	1.7	0.9	1.2	2.7	3.1	1.1	2.19	12	3.8
10	2.0	2.0	1.9	4.6	1.9	2.1	2.0	1.4	1.5	1.9	1.7	1.4	1.90	12	2.6
11	1.6	1.0	0.6	1.9	1.0	1.1	1.3	1.3	1.0	1.2	0.4	0.4	1.13	12	1.9
12	0.6	0.8	1.2	1.1	2.5	0.9	1.1	1.3	1.2	1.9	2.0	1.6	1.41	12	2.5
13	1.4	1.4	1.5	1.8	1.1	1.1	1.1	0.7	0.8	1.0	1.0	1.4	1.24	12	1.8
14	0.8	0.6	0.9	4.1	2.1	1.4	0.8	1.8	1.0	1.6	1.5	1.6	1.56	12	4.1
15	1.1	0.9	1.1	1.6	1.2	1.0	1.1	1.1	1.1	1.0	1.0	0.9	1.13	12	1.6
16	1.6	0.9	1.4	2.1	1.9	1.5	0.9	0.9	0.8	0.5		0.6	1.24	11	2.1
17	1.0	0.5	1.0	1.0	0.9	0.8	0.4	0.5	0.7	1.0	0.5	0.7	0.79	12	1.0
18	0.3	0.2	0.6	0.9	0.7	0.5	0.7	0.7	0.8	0.4	0.7	0.4	0.61	12	0.9
19	0.8	0.4	1.1	1.5	0.8	0.3	0.6	0.5	0.4	0.8	1.2	0.8	0.81	12	1.5
20	1.3	0.9	1.6	1.6	2.0	1.2	1.3	1.4	1.7	1.1	1.4	0.9	1.41	12	2.0
21	0.8	0.9	1.1	2.1	3.0	3.6	2.7	3.1	2.4	2.0	1.7	2.0	2.13	12	3.6
22	2.8	2.3	1.9	2.4	3.2	2.1	1.7	1.8	1.5	1.2	0.6	0.7	1.88	12	3.2
23	0.3	0.3	0.2	0.3	0.8	0.9	0.8	0.4	0.3	0.7	0.6	0.4	0.55	12	0.9
24	0.6	0.2	0.3	0.7	1.1	0.2	0.3	0.7	0.4	0.8	0.6	0.9	0.62	12	1.1
25	1.0	1.0	1.4	1.5	1.3	0.9	0.7	0.7	1.4	1.5	1.1	0.9	1.16	12	1.5
26	0.9	1.0	1.5	1.6	1.4	1.1	1.1	1.2	1.2	1.3	0.9	0.6	1.19	12	1.6
27	1.4	1.7	2.0	2.8	3.1	2.6	1.0	1.3	0.8	2.4	2.9	1.3	1.98	12	3.1
28	1.2	0.8	1.6	4.4	4.0	2.8	1.0	0.9	1.1	1.8	1.9	1.4	1.79	12	4.0
29	1.8	1.6	1.2	2.0	3.2	0.9	0.9	0.3	1.2	1.1	0.9	0.4	1.34	12	3.2
30	0.1	0.4	2.2	0.3		0.4	0.5	0.4	0.4	0.7	1.1	0.4	0.67	11	2.2
31	0.6	0.2	0.6	0.7	0.3	0.6	0.2	0.3	0.7	0.9	1.0	0.9	0.62	12	1.0
AVG	1.22	1.10	1.36	1.73	1.87	1.39	1.14	1.06	1.14	1.40	1.32	1.06	1.31		
N(3)	30	30	30	30	29	30	30	30	30	30	29	30		358	
MAX*	3.4	3.1	2.9	4.1	4.0	3.6	2.7	3.1	2.4	3.6	3.1	2.3	2.19		4.1

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-4

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

WASHINGTON D.C.

APRIL/68

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	0.5		0.3	0.7	0.6	0.5	0.7	0.5	0.7	0.5	0.5	0.8	0.60	11	0.8
02	0.7	0.6	0.8	1.9	0.8	0.8	0.8	0.6	1.0	1.6	0.7	0.7	0.95	12	1.9
03	0.3	0.6	0.9	1.1	1.3	2.0	1.2	1.4	1.5	0.6	0.8	0.6	1.06	12	2.0
04	0.5	0.5	0.7	1.0	1.0	1.0	1.7	1.3	0.7	0.5	1.2	1.6	1.01	12	1.7
05	0.5	0.3	0.3	0.5	0.6	0.0	0.7	2.5	1.5	0.8	2.6	1.6	1.02	12	2.6
06	0.5	0.1	0.2	0.4	0.4	0.1	0.5	0.4	0.9	0.7	0.5	0.8	0.49	12	0.9
07	0.1	0.5	0.4	0.9	0.9	0.4		0.7	0.5	0.4	0.4	0.3	0.53	11	0.9
08	0.4	0.6	0.5	0.8	1.2	1.6	1.2	2.3	2.0	1.3	1.6	1.3	1.28	12	2.3
09	2.3	1.8	1.7	1.8	0.8	0.4	0.1	0.9	0.4	0.7	0.5	0.3	1.02	12	2.3
10	1.2	0.4	0.9	1.2	1.6	1.8	1.2	0.6	0.8	1.4	0.6	0.6	1.07	12	1.8
11	0.8	0.8	0.6	0.8	1.0	0.7	1.0	1.2	0.9	1.4	1.8	2.6	1.16	12	2.6
12	1.6	1.2	2.9	2.0	2.1	1.2	1.4	0.3	0.9	1.1	1.0	0.9	1.43	12	2.9
13	1.3	0.7	1.1	1.6	2.2	1.3	0.6	1.0	0.3	0.9	1.4	2.0	1.24	12	2.2
14	1.9	1.3	1.9	2.4	2.2	0.9	0.9	0.8	0.6	1.2	0.5		1.37	11	2.4
15	0.4	0.9	0.6	0.7	1.4	1.0	0.4	0.5	0.9	0.5	1.0	0.6	0.78	12	1.4
16	0.3	0.3	0.2	0.6	1.0	0.8	0.7	0.8	0.5	0.5	2.3	1.1	0.82	12	2.3
17	0.6	1.6	0.9	1.3	1.0	1.1	0.7	1.4	0.8	0.8	0.6	0.5	0.98	12	1.6
18	0.5	0.6	0.8	1.1	1.5	0.9	0.8	0.9	1.2	1.7	1.6	1.0	1.10	12	1.7
19	0.5	1.1	1.9	1.7	1.7	1.1	0.8	1.0	0.8	1.3	0.9	1.8	1.22	12	1.9
20	0.9	1.0	0.6	1.4	1.0	1.1	0.6	1.2	0.9	0.7	0.4	0.1	0.84	12	1.4
21	0.7	0.7	1.0	1.1	0.3	0.4	0.4	0.1	0.5	0.3	0.7	0.2	0.58	12	1.1
22	0.5	0.4	1.0	1.5	1.3	0.9	1.3	1.0	0.5	0.8	0.5	0.7	0.91	12	1.5
23	0.6	0.4	0.6	1.1	0.8	0.9	0.7	0.8	1.4	1.0	0.1	0.5	0.78	12	1.4
24	0.7		0.6	1.3	1.1	1.1	0.9	0.9	1.1	0.9	1.1	0.4	0.95	11	1.3
25	0.4	0.5	1.2	1.4	1.3	0.8	0.5	0.6	0.5	0.6	0.7	0.4	0.77	12	1.4
26	0.5	1.3	1.8	1.0	1.1	1.0	0.8	0.6	0.6	0.6	0.3	1.0	0.93	12	1.8
27	0.2	1.0	0.3	1.2	1.7	1.6	1.3	0.7	0.8	1.0	1.6	1.7	1.12	12	1.7
28	2.0	0.6	0.8	0.8	1.0	0.3	0.6	0.2	0.4	1.1	1.3	1.0	0.89	12	2.0
29	1.0	1.2	1.3	1.4	1.1	1.0	1.1	1.2	0.9	0.8	1.0	0.1	1.05	12	1.4
30	0.9	1.1	1.3	1.6	1.0	1.1	0.7	1.0	0.9	0.6	0.7		1.04	11	1.6
AVG	0.77	0.78	0.93	1.21	1.15	0.92	0.83	0.91	0.84	0.87	0.96	0.90	.92		
N(3)	30	28	30	30	30	30	29	30	30	30	30	28		355	
MAX#	2.3	1.8	2.9	2.4	2.2	2.0	1.7	2.5	2.0	1.7	2.6	2.6	1.43		2.9

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
\# MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-5

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

WASHINGTON D.C.

MAY/68

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	0.3	0.8	0.8	1.9	0.5	0.5	0.7	0.7	0.6	1.0	0.8	0.7	0.83	12	1.9
02	0.3	0.6	1.6	1.2	0.8	0.9	1.0	0.7	0.4	1.4	0.3	0.9	0.88	12	1.6
03	1.0	0.7	1.1	2.8	2.1	1.4	1.1	1.2	1.8	1.5	1.5	1.0	1.47	12	2.8
04	0.8	0.3	0.3	1.0	0.9	0.6	0.5	0.9	0.7	1.6	0.8	1.1	0.85	12	1.6
05	0.5	1.1	0.8	0.9	0.5	0.8	1.1	0.8	0.6	0.2		0.6	0.77	11	1.1
06	0.2	0.8	0.7	0.9	0.6	0.7	0.8	0.4	0.9	0.2	1.2	0.7	0.71	12	1.2
07	0.9	0.6	1.3	1.5	0.6	0.7	0.7	0.6	0.6	0.8	1.9	2.8	1.12	12	2.8
08	2.8	2.6	1.5	2.0	2.1	1.0	0.6	1.2	0.9	0.6	0.9	0.5	1.43	12	2.8
09	0.4	0.4	0.8	1.6	1.3	2.0	1.3	1.4	0.9	0.4	0.5	0.4	1.01	12	2.0
10	0.4	0.9	1.2	1.4	1.4	0.3	0.6	0.8	0.6	0.8	1.6	0.8	0.93	12	1.6
11	1.1	1.1	1.6	1.0	1.2	0.9	1.4	0.9	1.0	0.3	0.5	0.8	1.01	12	1.6
12	1.2	0.7	0.1	0.4	0.7	0.8	0.3	0.6	0.4	1.1	0.8	0.7	0.69	12	1.2
13	0.5	0.7	1.0	1.4	0.8	1.7	1.7	1.1	0.4	0.5	0.4	0.1	0.89	12	1.7
14	0.1	0.0	0.6	1.5	1.0	0.9	1.0	0.2	0.7	0.9	1.0	0.5	0.74	12	1.5
15	0.6	0.8	0.6	1.0	0.4	1.0	1.1	0.8	0.2	0.5	0.6	0.8	0.74	12	1.1
16	0.5	0.9	0.5	1.1	0.9	0.7	1.1	1.0	1.0	1.1	1.3	1.7	1.04	12	1.7
17	0.8	0.6	1.5	1.4	0.9	0.6	0.6	0.7	1.0	1.0	0.9	0.6	0.92	12	1.5
18	0.4	0.5	0.6	1.2	1.5	1.0	0.7	0.2	0.7	0.5	0.6	0.5	0.74	12	1.5
19	0.3	0.7	0.4	0.6	0.5	0.6	0.5	0.4	0.6	0.6	0.6	0.2	0.53	12	0.7
20	0.4	0.4	0.6	1.1	0.5	0.3	0.7	0.4	0.7	0.7	0.7	0.8	0.66	12	1.1
21	0.6	0.2	1.3	1.6	0.7	0.3	0.6	0.7	0.8	0.7	0.6	0.8	0.79	12	1.6
22	0.9	0.4	0.8	1.2	0.5	0.4	0.5	0.6	0.4	0.4	0.8	1.8	0.78	12	1.8
23	1.1	1.3	0.9	1.9	2.1	1.5	1.5	1.3	1.2	0.9	0.6	0.6	1.29	12	2.1
24	1.3	0.8	1.2	1.9	1.4	0.8	0.2	0.8	0.7	1.0	0.7	0.4	0.99	12	1.9
25	0.7	0.4	0.4	0.1	0.3	0.5	0.2	0.0	0.3	0.6	0.9	1.5	0.55	12	1.5
26	1.1	1.3	2.0	1.8	1.0	0.3	0.6	0.2	0.5	0.6	0.4	0.8	0.93	12	2.0
27	1.1	0.3	0.5	0.4	0.9	0.1	0.3	0.5	0.5	0.4	0.5	0.3	0.52	12	1.1
28	0.8	0.4	0.6	0.9	0.8	0.2	0.7	0.5	0.7	1.1	0.9	0.6	0.71	12	1.1
29	0.9	0.6	0.4	1.3	0.4	0.5	0.2	0.8	0.5	0.5	0.5	0.4	0.62	12	1.3
30	0.6	0.6	1.1	0.5	0.6	0.4	0.2	0.8	0.1	0.3	0.4	0.8	0.57	12	1.1
31	0.7	0.4	1.3	1.1	0.5	0.9	0.7	0.7	1.0	0.2	0.8	0.9	0.80	12	1.3
AVG	0.75	0.70	0.90	1.24	0.91	0.75	0.74	0.70	0.69	0.72	0.80	0.81	.80		
N(3)	31	31	31	31	31	31	31	31	31	31	30	31		371	
MAX*	2.8	2.6	2.0	2.8	2.1	2.0	1.7	1.4	1.8	1.6	1.9	2.8	1.47		2.8

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-6

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	WASHINGTON D.C. JUNE/68 AVG	N (1)	MAX (2)
01	1.0	0.7	0.5	1.1	0.2	0.5	0.4	0.7	0.4	0.3	0.9	0.6	0.65	12	1.1
02	0.3	0.8	0.0	0.7	0.6	0.7	0.2	0.6	0.8	1.7	1.1	0.8	0.74	12	1.7
03	1.0	0.6	1.1	2.4	1.7	0.7	0.9	1.1	0.6	0.4	0.9	1.2	1.09	12	2.4
04	0.6	0.6	0.4	0.9	0.2		0.5	0.5	0.3	0.2	1.7	2.6	0.80	11	2.6
05	1.7	1.4	2.3	3.1	1.8	0.7	0.6	1.1	1.4	1.5	1.3	0.5	1.50	12	3.1
06	1.1	1.5	1.5	2.2	1.9	1.1	0.9	0.7	0.4	0.8	0.6	0.6	1.16	12	2.2
07	0.5	0.5	1.1	1.9	1.9	1.4	1.2	0.6	0.7	1.1	0.6	0.4	1.03	12	1.9
08	0.6	0.5	0.5	0.9	1.0	1.0	0.9	0.5	0.8	0.5	0.1	0.2	0.66	12	1.0
09	0.1	0.3	0.8	0.4	0.4	0.5	0.6		1.1	0.5	0.9	0.3	0.58	11	1.1
10	0.4	0.7	1.0	1.7	0.8	0.2	1.3	0.8	1.0	0.1	0.1	0.4	0.76	12	1.7
11	0.4		0.4	0.7	0.7	1.1	0.7	0.0	0.8	0.8	0.5		0.65	10	1.1
12	0.2	0.4	0.0	1.0	0.9	0.8	0.7	1.1	0.7	0.5	0.9	0.8	0.71	12	1.1
13	0.7		1.2	1.0	0.5	0.8	0.7	0.7	0.3		0.3	0.8	0.73	10	1.2
14	0.0	0.3	0.4	1.3	0.4	0.8	1.1	0.8	0.5	0.3	1.6	1.3	0.78	12	1.6
15	0.7	0.8	1.8	3.0	0.3	0.4	0.7	0.5	0.5	1.0	1.2	1.1	1.05	12	3.0
16	0.9	0.8	0.6	1.1	1.0	0.5	0.3	0.2	0.3	1.4	0.5	0.6	0.73	12	1.4
17	0.3		0.3	0.4	0.6	0.6	0.2	0.7	1.0	0.5	0.1	0.5	0.51	11	1.0
18	0.4	0.9	0.7	1.6	0.5	0.6	0.8	1.2	0.2	1.0	0.6	1.0	0.83	12	1.6
19	0.2	0.5	1.2	2.0	1.2	1.0	0.5	0.6	0.7	0.5	0.5	1.1	0.86	12	2.0
20	0.5	0.1	1.2	0.8	0.7	0.5	0.4	0.4	0.4	0.5	0.2	0.6	0.58	12	1.2
21	0.5	0.4	1.0	0.6	0.4	1.0	0.5	0.8	0.5	0.8	0.3	0.4	0.65	12	1.0
22	0.4	0.6	0.5	1.3	0.8	0.4	0.7	0.3	0.5	0.8	0.7	0.7	0.68	12	1.3
23	1.1	0.9	0.6	0.4	0.5	0.5	0.1	0.5	0.3	0.5	1.0	0.8	0.64	12	1.1
24	0.7	0.9	1.1	1.4	1.2	0.7	0.5	0.3	1.0	0.4	0.9	0.5	0.84	12	1.4
25	0.9	1.0	1.3	2.7	1.3	1.0	0.9	1.0	0.2	1.0	0.6	0.4	1.05	12	2.7
26	0.3	0.4	0.3	0.6	0.7	0.8	0.5	1.0	0.7	0.9	1.2	1.2	0.76	12	1.2
27	0.3	0.6	0.7	0.3	0.4	0.4	0.8	0.0	0.3	0.2	1.3	1.2	0.59	12	1.3
28	1.2	0.3	0.7	1.1	0.7	0.5	0.7	0.8	0.6	0.4	0.8	0.6	0.73	12	1.2
29	0.7	0.4	0.7	1.2	0.7	0.7	0.4	0.6	0.3	0.8	0.6	0.9	0.70	12	1.2
30	0.3	0.6	0.4	0.8	0.2	0.5	0.4	0.2	0.6	0.1	0.2	0.9	0.46	12	0.9
AVG	0.60	0.64	0.81	1.28	0.80	0.70	0.63	0.63	0.59	0.67	0.74	0.79	.73		
N(3)	30	27	30	30	30	29	30	29	30	29	30	29		353	
MAX*	1.7	1.5	2.3	3.1	1.9	1.4	1.3	1.2	1.4	1.7	1.7	2.6	1.50		3.1

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-7

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

WASHINGTON D.C. JULY/68

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	0.6	0.3	0.7	0.8	1.3	1.2	1.1	0.7	1.0	0.9	1.4	0.4	0.90	12	1.4
02	0.7	0.6	2.3	2.4	1.2	0.6	0.8	0.7	0.8	0.8	0.6	0.1	1.01	12	2.4
03	0.1	0.4	0.6	1.4	0.4	0.9	0.1	0.8	0.5	0.6	0.8	0.8	0.65	12	1.4
04		0.5	0.3	0.7	0.9	0.3	0.9	0.8	0.6	0.6	0.1	0.6	0.61	11	0.9
05	0.1	0.1	0.4	0.8	0.7	0.8	0.5	0.4	0.3	0.6	1.0	0.6	0.56	12	1.0
06	0.8	0.1	0.4	1.1	0.5	0.2	0.3	0.7	0.1	0.6	0.4	0.6	0.52	12	1.1
07	0.8	0.7	0.6	0.7	1.1	0.5	0.0	0.6	0.5	0.7	0.5	0.7	0.67	12	1.1
08	0.4	0.5	1.5	1.4	0.6	1.3	0.7	0.8	1.1	0.6	0.6	0.5	0.87	12	1.5
09	0.3	0.4	0.7	1.8	1.5	0.8	0.4	0.5	0.9	0.9	0.4	0.9	0.85	12	1.8
10	0.9	0.8	1.0	2.4	1.1	1.1	1.1	0.8	0.1	0.5	0.5	0.7	0.96	12	2.4
11	0.7	0.5	0.8	0.9	1.2	1.6	0.8		0.7	0.5	0.4	0.3	0.79	11	1.6
12	0.4	0.4	1.0	1.1	0.6	0.9	0.7	0.5	0.4	0.4	0.5	0.5	0.66	12	1.1
13	0.6	0.5	0.4	0.7	0.7	1.1	0.7	0.7	0.4	0.2	0.1	0.5	0.59	12	1.1
14	0.4		0.3	0.3	0.3	0.7	0.4	0.2	0.2	0.4	0.1	0.4	0.38	11	0.7
15	0.9	0.9	1.7	1.8	1.0	0.1	0.9	0.9	1.7	1.8	1.0	0.6	1.15	12	1.8
16	1.1	0.3	0.8	1.8	0.9	1.0	0.3	0.5	0.4	0.2	0.6	1.0	0.77	12	1.8
17	0.5	0.5	1.1	1.0	0.8	0.8	1.0	0.5	0.7	1.3	0.9		0.86	11	1.3
18															
19					2.7	1.6	0.7	1.4	1.0	1.0	1.8	0.5	1.37	08	2.7
20	1.0	0.5		0.8	0.6	0.4	0.4	0.1	0.3	0.4	1.1	1.5	0.69	11	1.5
21	1.0	0.8	0.9	0.7	0.5	0.6	0.1	0.7	0.8	0.3	0.7	0.7	0.70	12	1.0
22	0.4	0.1	0.5	1.6	1.4	1.0	0.9	0.8	0.8	0.4	0.9	0.4	0.82	12	1.6
23	0.3	0.2	0.9	1.4	1.1	0.2	0.6	0.7	0.4	0.3	1.0	0.8	0.68	12	1.4
24	0.8	0.8	0.9	2.0	2.1	0.9	0.9	0.2	0.9	1.0	1.2	2.0	1.21	12	2.1
25	1.0	1.0	1.7	2.3	1.4	1.2	1.5	1.4	0.6	0.5	0.5	0.5	1.10	12	1.7
26	1.1	0.6	0.7	1.8	2.1	1.3	2.3	0.8	0.4	0.7	0.9	1.2	1.20	12	2.3
27	0.8	0.3	0.9	0.4	0.6	0.1	0.2	0.4	0.5	0.5	0.2	0.4	0.49	12	0.9
28		0.1	0.8	0.5	0.5	0.4	0.3	0.1	0.5	0.6	1.1	1.1	0.58	11	1.1
29	0.8	0.4	1.5	1.8	2.2	1.5	1.2	1.0	0.8	0.4	0.7	0.8	1.13	12	2.2
30	1.2	1.3	1.5	2.9	2.9	2.2	0.7	0.1	0.7	1.0	0.7	0.6	1.35	12	2.9
31	0.8	0.4	1.7	2.5	0.9	0.7	1.0	0.7	0.7	0.4	0.5	0.4	0.95	12	2.5
AVG	0.68	0.50	0.95	1.33	1.12	0.86	0.71	0.63	0.62	0.63	0.70	0.69	.78		
N(3)	27	28	28	29	30	30	30	29	30	30	30	29		330	
MAX#	1.2	1.3	2.3	2.9	2.9	2.2	2.3	1.4	1.7	1.8	1.8	2.0	1.37		2.9

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)

(3) N=DAYS WITH VALID VALUES
\# MAX=MAXIMUM 2-HR COH (MO)

VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-8

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	WASHINGTON D.C. AVG	AUG/68 N (1)	MAX (2)
01	0.2	0.4	0.7	2.3	1.0	1.0	1.1	0.9	1.3	0.6	1.3	0.1	0.94	12	2.3
02	0.8	0.6	1.3	1.4	4.0	2.6	1.9	0.9	1.1				1.66	09	4.0
03						1.0	0.3	0.6	0.9	0.4	0.4	0.2	0.56	07	1.0
04	0.2	0.4	0.3	1.2	0.8	0.7	0.2	0.7	0.7	0.7	0.8	0.7	0.65	12	1.2
05	0.8	0.2	0.7	2.0	1.4	1.5	1.3	1.2	0.8	0.4	1.7	1.1	1.12	12	2.0
06	1.6	2.0	0.8	1.4	1.1	1.0	1.0	0.8	0.8	0.8	0.5	1.0	1.13	12	2.0
07	0.7	0.4	0.4	1.9	1.3	0.2	1.4	0.8	0.8	1.6	0.6	0.3	0.92	12	1.9
08	0.7	0.2	0.9	2.0	1.2	0.9	0.9	1.2	0.8	1.1	1.4	1.3	1.10	12	2.0
09	0.5	1.1	0.9	1.7	1.4	0.8	1.0	0.7	0.5	0.9	1.4	0.6	0.99	12	1.7
10	1.1	0.6	1.0	1.1	0.5	0.2	0.3	0.5	1.1	1.1	0.3	0.7	0.75	12	1.1
11	0.4	0.6	0.4	0.0		0.6	0.1	0.2	0.0	0.3	0.6	1.4	0.46	11	1.4
12	6.4	1.0	0.6	1.4	1.3	0.7	1.0	0.7	0.5	0.6	1.2	0.6	1.38	12	6.4
13	0.6	0.4	0.7	1.3	0.8	0.7	1.5	0.8	0.9		0.8	0.0	0.81	11	1.5
14	0.6	0.5	0.6	2.5	1.2	1.0	1.6	0.9	1.1	1.4	0.9	1.1	1.15	12	2.5
15	0.4	0.6	1.1	1.4	1.3	0.6	0.8	0.9	0.8	1.0	1.4	0.9	0.98	12	1.4
16	0.7	1.2	1.0	1.5	1.8	1.7	0.5	0.9	0.9	0.9	0.7		1.11	11	1.8
17															
18															
19						0.7	0.7	0.5	0.5	0.3	0.9	0.3	0.60	07	0.9
20	0.2	0.5	0.7	1.0	1.1	1.2	1.3	1.6	0.8	0.9	0.6	0.6	0.91	12	1.6
21	0.2	1.5	0.9	1.9	1.4	0.9	1.4	0.6	0.8	0.2	0.7	0.8	0.98	12	1.9
22	0.9	0.5	2.1	3.5	2.1	1.9	1.8	1.1	1.4	0.8	0.7	0.6	1.51	12	3.5
23	0.8	0.6	1.6	1.4	1.1	1.3	1.1	0.2	1.2	0.8	0.6	0.8	1.00	12	1.6
24	0.4	0.4	0.6	1.1	1.0	0.5		0.1	1.9	0.8	1.1	0.8	0.85	11	1.9
25	0.6	0.4	0.5	0.8	1.2	0.3	0.5	0.6	0.5	0.7	1.2	1.6	0.78	12	1.6
26	0.4	0.9	0.6	0.9	1.5	0.6	0.6	0.8	0.1	0.6	0.3	0.5	0.68	12	1.5
27		0.4	0.4	1.2	0.5	0.3	0.7	0.5	0.7	0.3	0.9	0.7	0.65	11	1.2
28	0.1	0.6	1.0	1.5	1.2	0.8	0.0	0.6	0.9	0.7	1.2	1.2	0.85	12	1.5
29	0.9	1.6	0.7	2.0	1.4	1.2	1.0		0.3	0.8	1.6	1.1	1.18	11	2.0
30	1.7	0.8	0.9	1.4	1.6	1.2	0.4	0.8	0.5	0.6	0.7	2.5	1.20	12	2.5
31	2.5	2.4	2.1	1.9	1.6	0.8	0.5	0.8	0.8	0.3	0.7	0.1	1.26	12	2.5
AVG	0.93	0.77	0.87	1.58	1.33	0.92	0.88	0.74	0.80	0.72	0.90	0.80	.92		
N(3)	26	27	27	27	26	29	28	28	29	27	28	27		329	
MAX*	6.4	2.4	2.1	3.5	4.0	2.6	1.9	1.6	1.9	1.6	1.7	2.5	1.66		6.4

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-9

TABULATED 09/17/68

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
								WASHINGTON D.C.						SEPT/68	
01	0.8	0.7	0.4	0.7	0.6	0.5	0.3			0.4	0.1	0.4	0.32	10	0.8
02	0.2	0.2	0.7	1.6	0.6	0.1	0.8	0.6	0.9	0.2	0.7	0.8	0.65	12	1.6
03	1.4	1.5	1.7	2.2	1.1	0.4	0.7	0.7	1.4	0.8	1.4	1.4	1.20	12	2.2
04	0.7	0.8	1.8	3.5	1.1	0.7	0.5	0.4	1.0	1.4	1.6	1.6	1.29	12	3.5
05	1.2	1.3	2.5	2.3	2.1	1.2	1.0	0.8	0.6	0.6	0.5	0.7	1.28	12	2.5
06	0.1	0.2	0.5	0.9	0.7	0.9		0.1	1.1	1.4	0.8	0.1	0.66	11	1.4
07															
08															
09										0.3	0.7	0.5			
10	0.1	0.2	1.2	0.1	0.4	0.4	0.4	1.1	0.5	0.4	0.8	0.2	0.53	12	1.2
11	0.6	0.5	1.3	1.6	1.3	1.2	1.0	1.6	1.2	0.2	0.1	0.3	1.03	12	2.6
12	0.3	0.5	1.0	1.2	0.8	0.3	0.7	1.0	0.7	1.3	0.9	0.8	0.84	12	1.3
13	0.6	0.8	2.0	1.1	0.6	1.0	0.9	1.4	1.0	1.4	1.4	1.1	1.16	12	2.0
14	0.9	0.9	1.7	1.1	0.3		0.4	0.6	1.0	1.0	1.7	1.5	1.04	11	1.7
15	1.1	0.9	1.2	0.7	0.6	0.5	0.1	0.5	1.0	1.3	0.5	0.8	0.79	12	1.3
16	1.0	1.8	2.8	0.7	0.4	1.0	0.7	0.7	0.8	0.5	1.5	1.1	1.11	12	2.8
17	0.9	1.6	1.8	2.9	2.2	0.7	0.8	0.9	1.4	1.5	1.7	2.2	1.59	12	2.9
18	0.6	1.1	1.0	2.2	1.0	0.3	0.5	0.4	0.2	0.7	0.6	1.3	0.87	12	2.2
19	0.6	1.1	1.1	1.6	1.0	1.1	0.9	0.9	0.1	0.7	1.0	0.4	0.91	12	1.6
20	0.7	1.0	0.9	2.9	1.1	1.5	1.0	0.9	0.6	1.2	2.8	2.7	1.48	12	2.9
21	2.2	2.9	2.5	4.6	1.8	0.5	0.8	0.9	0.6	1.3	1.8	1.2	1.63	12	2.9
22	1.0	0.8	0.9	1.3	1.3	0.7	0.9	0.5	0.8	1.1	1.6	0.8	1.01	12	1.6
23	1.4	1.0	0.7	4.6	3.3	1.8	0.9	0.8	0.8	1.3	1.2	0.9	1.44	12	3.3
24	0.8	0.6	1.3	2.5	2.3	1.9	1.2	1.1	0.3	1.1	0.7	0.5	1.24	12	2.9
25	0.5	0.4	0.8	1.4	1.2	1.0	1.0	1.7	1.1	1.1	0.8	0.7	1.00	12	1.7
26	1.2	1.2	0.4	1.5	1.2	0.5	1.1	0.9	0.7	1.8	1.4	0.8	1.11	12	1.8
27	0.9	0.6	0.3	1.2	0.9	1.0	0.8	0.6	0.8	0.8	1.6	1.5	0.97	12	1.6
28	1.1	1.2	1.3	1.1	0.9	0.6	0.0	0.3	0.8	1.0	0.9	1.1	0.90	12	1.3
29	0.7	0.5	0.1	0.3	0.2	0.4		0.7	0.0	0.3	1.2	2.0	0.62	11	2.0
30	1.4	0.6	1.3	1.9	2.1	0.4	0.6	0.4	0.8	0.6	0.1	0.8	0.94	12	2.1
AVG	0.85	0.92	1.23	1.65	1.15	0.79	0.72	0.78	0.77	0.94	1.08	1.02	.98		
N(3)	27	27	27	27	27	26	25	26	26	27	27	27		319	
MAX*	2.2	2.9	2.8	4.5	3.3	1.9	1.2	1.7	1.4	1.8	2.8	2.7	1.63		3.5

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-10

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

WASHINGTON D.C.

OCT/68

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	0.4	0.7	0.6	2.8	2.6	0.4	0.8	1.2	1.2	1.1	1.2	0.7	1.18	12	2.8
02	0.6	0.1	1.8	1.8	1.7	0.9	1.2	1.4	1.0	1.1	0.6	0.5	1.10	12	1.8
03	0.4		1.0	1.4	1.6	1.3	2.9	1.2	1.5	0.8		0.4	1.29	10	2.9
04	0.2	0.4	0.4	0.5	1.1	0.6	1.0	0.7	0.8	0.6	0.7	0.4	0.66	12	1.1
05		0.7	0.5	0.3	0.7	0.3	0.1	0.5	0.6	1.4	2.5	2.8	0.99	11	2.8
06	2.9	3.3	2.6	2.9	1.4										
07															
08															
09															
10					1.2	0.3	0.5	1.1	0.2	0.5	0.3	0.1	0.58	08	1.2
11	0.2		1.3	1.0	1.1	0.5	0.3	0.5	0.8	0.7	0.3	0.4	0.69	11	1.3
12	0.3	0.2	0.2	1.0	1.0	0.6	0.8	0.9	0.9	0.9	0.6	0.3	0.67	12	1.0
13	0.8	1.0	0.3	1.1	0.9	1.4	0.9	1.0	0.5	0.6	0.7	0.7	0.87	12	1.4
14	0.8	0.9	0.6	1.7	1.3	1.2	0.8	1.0	0.7	0.9	0.9	0.8	1.00	12	1.7
15	0.9	0.5	0.2	1.8	0.6	0.9	1.8	1.3	1.2	2.3	1.3	1.0	1.19	12	2.3
16	2.1	2.0	1.1	2.4	1.7	2.4	1.7	0.9	0.4	1.0	0.8	1.4	1.53	12	2.4
17	0.8	1.5	1.1	1.1	2.0	0.8	1.0	0.9	1.3			0.1	1.11	10	2.0
18	0.2	0.5	0.2	1.1	0.9	0.8	0.6	0.4		0.7	0.6	0.4	0.62	11	1.1
19	0.0		0.3	0.0	0.1		0.9	0.4	0.5	0.6	1.0	0.7	0.50	10	1.0
20	0.4	0.7	0.3	0.2	0.9	0.1	0.9	0.2	0.7	0.5	0.7	0.6	0.56	12	0.9
21	0.5	0.6	0.8	1.0	0.7	0.8	0.5	0.4	1.0	1.3	1.6	1.2	0.91	12	1.6
22	2.6	2.5	2.3	3.8	2.8	0.5	1.4	1.1	1.6	0.7	0.8	0.4	1.76	12	3.8
23	0.3	0.3	1.1	1.9	1.4	0.6	0.8	1.0	0.2	0.7	0.9	1.3	0.92	12	1.9
24	0.6	0.6	1.1	1.4	2.0	1.4	1.4	1.6	1.2	1.4	0.6	0.4	1.20	12	2.0
25	0.3	0.4	0.9	1.1	1.0	0.5	0.6	0.7	1.0	0.9	0.8	0.5	0.77	12	1.1
26	0.4	0.5	0.3	1.1	0.7	0.9	0.4	0.9	0.8	0.7	0.8	0.7	0.73	12	1.1
27	0.4	0.3	0.1	1.0	1.0	0.5	0.6	0.4	0.6	0.4	0.4	0.7	0.58	12	1.0
28	0.3	0.5	0.2	2.0	2.1										
29															
30															
31															
AVG	0.73	0.88	0.83	1.40	1.26	0.80	0.95	0.85	0.85	0.90	0.86	0.71	.88		
N(3)	22	20	23	23	23	22	23	23	22	22	21	23		263	
MAX*	2.9	3.3	2.6	3.8	2.8	2.4	2.9	1.6	1.6	2.3	2.5	2.8	1.76		3.8

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-11

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DAY OF MONTH — TIME (STARTING HOUR) — WASHINGTON D.C. — NOV/68

DAY OF MONTH	0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01															
02															
03															
04															
05															
06															
07															
08															
09															
10															
11															
12															
13															
14															
15															
16															
17															
18						0.7	0.6	1.1	0.6	1.1	0.5	0.5	0.77	07	1.1
19	0.1	0.4	0.6	0.8	0.8	0.8	0.4	1.1	1.0	1.0	0.1	0.4	0.66	12	1.1
20		0.2	0.2	0.8	0.8	0.6	0.6	1.2	1.2	0.5	0.9	0.5	0.72	11	1.2
21	0.6		0.6	1.1	1.6	1.5	0.7	1.4	1.0	1.1	1.0	0.2	1.03	11	1.6
22	0.6	0.6	1.1	1.6	2.9	2.2	1.6	1.0	1.4	1.9	1.3	1.3	1.52	12	2.9
23	1.4	1.9	2.2	3.3	2.7	1.2	0.2	0.7	0.9	0.4	0.6	0.6	1.38	12	3.3
24	0.5	0.8	0.5	1.1	1.1	1.0	0.8	0.7	1.2	0.5	0.6	0.3	0.81	12	1.2
25	0.7	0.8	0.5	1.4	1.5	1.8	0.5	1.3	1.3	0.7	0.5	1.3	1.06	12	1.8
26	0.6	1.0	1.2	1.5	1.7	1.4	0.9	1.0	1.1	1.3	0.6	0.4	1.11	12	1.7
27	1.2	0.6		1.1	2.6	2.2	1.6	2.4	1.9	1.5	1.7	1.0	1.65	11	2.6
28	0.6	1.1	0.7	1.9	2.2	1.0	0.6	1.2	0.9	0.6	0.5	0.1	0.97	12	2.2
29	0.1		0.7	0.5	0.6	0.5	0.9	0.3	1.2	0.5	0.3	0.5	0.60	11	1.2
30	0.5	0.8	0.8	0.9	0.5	0.4	0.7	0.7	0.5	0.3	1.2	0.4	0.69	12	1.2
AVG															
N(3)														147	
MAX*													1.65		3.3

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-12

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	WASHINGTON D.C. AVG	DEC/68 N (1)	MAX (2)
01	0.1	1.1	1.1	1.8		0.4	0.1	0.4	0.4	0.9	1.0	1.5	0.84	11	1.8
02	1.2	0.8	0.7	1.3	1.3	1.7	1.9	2.1	0.9	1.4	0.5	0.9	1.26	12	2.1
03	1.2	1.0	2.1	2.8	2.4	2.0	2.0	0.8	2.0	1.3	1.4	1.0	1.71	12	2.8
04	0.9	0.5	0.9	1.2	1.4	0.8	0.3	0.6	0.6	0.4	0.2	0.7	0.74	12	1.4
05	0.5	0.5	1.0	0.7	0.8	1.5	0.5	0.6	0.7	0.4		0.2	0.71	11	1.5
06	0.4	0.1	0.2	1.3	0.9	0.6	0.7	0.3	1.5	1.4	1.6	1.4	0.95	12	1.6
07	1.7	1.2	1.1	1.2	1.4	0.9	0.3	0.7	0.7	0.5	0.4	1.7	1.03	12	1.7
08	0.9	0.8	0.6	0.7	1.0	0.3	0.5	1.2	0.5	0.7	0.7	0.8	0.76	12	1.2
09	0.8	0.5	0.5	1.1	1.3	0.5	0.6	0.8	1.1	1.0	0.6	0.6	0.82	12	1.3
10	0.3	0.4	0.5	0.8	1.7	1.0	1.3	1.0	1.3	0.1	0.4	0.9	0.85	12	1.7
11	0.7	0.5	0.9	1.0	2.7	2.6	2.2	2.0	1.8	1.1	0.8	1.1	1.48	12	2.7
12	0.9	0.9	0.6	1.4	1.2	1.2	1.2	1.5	1.6	1.3	1.2	1.0	1.21	12	1.6
13	1.3	1.1	1.0	1.6	1.3	0.7	0.7	1.1	0.8	0.9	0.7	0.6	1.01	12	1.6
14	0.8	0.3	1.7	0.7	1.7	1.0	0.2	0.5	1.0	0.4	1.0	1.0	0.87	12	1.7
15		0.6	0.8	0.8	0.5	0.8	0.4	0.1	0.5	0.2	0.3	0.5	0.53	11	0.8
16	0.9	0.3	0.5	0.8	0.9	0.3	0.9	0.8	0.9	0.8	0.8	0.7	0.76	12	0.9
17	0.0	0.5	0.5	1.3	1.4	0.8	0.5	1.4	1.4	1.0	0.7	0.8	0.90	12	1.4
18	0.7	1.4	1.6	2.0	2.4	2.0	1.2	1.1	1.2	1.8	1.3	2.5	1.64	12	2.5
19	1.8	2.0	1.1	1.6	2.4	1.6	1.1	1.7	2.5	2.1	1.8	2.1	1.85	12	2.5
20	1.2	1.6	1.1	1.9	3.7	2.7	0.6	0.4	0.8	0.6	0.8	0.5	1.37	12	3.7
21	0.5	0.6		0.8	0.8	0.6	0.2	0.6	0.3	0.9	1.3	1.3	0.75	11	1.3
22	1.4	1.2	1.5	0.8	0.6	0.4	0.1	0.7	0.8	1.1	1.3	0.5	0.91	12	1.5
23	0.3	0.9	0.2	1.0	0.9		0.3	0.9	0.2	1.0	0.9		0.71	10	1.0
24	1.1	0.4	0.8	0.8	0.3	0.8	0.6	0.6	0.5	0.3	0.2	0.1	0.58	12	1.1
25	0.5	0.5	0.4	0.6	0.6	0.3	0.8	0.8	0.6	0.7			0.62	10	0.8
26	0.6	0.9	0.8	0.6	0.8	1.0	0.2	0.6	0.6	0.6	0.0	0.5	0.64	12	1.0
27	0.9	1.2	1.2	1.1	0.8	1.3	2.0	2.7	1.1	0.7	0.3	0.9	1.23	12	2.7
28	0.7	0.7	0.3		0.5	0.6	0.5	0.9	0.4	0.3	0.3		0.56	10	0.9
29	0.6	0.4	0.2	0.2	0.2	0.1	0.4	0.6	0.5	0.5	0.9	1.2	0.53	12	1.2
30	1.1	1.2	0.5												
31					0.3	1.1	1.1	1.0	1.3	1.8	1.1	1.1	1.16	08	1.8
AVG	0.82	0.80	0.84	1.13	1.23	1.02	0.78	0.95	0.95	0.87	0.80	0.97	.92		
N(3)	29	30	29	28	29	29	30	30	30	30	28	27		346	
MAX*	1.8	2.0	2.1	2.8	3.7	2.7	2.2	2.7	2.5	2.1	1.8	2.5	1.85		3.7

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE